SITE INFORMATION

Report Type: Closure Report 2RP-1825 / 2RP-4224 (NAB1714639317)

General Site Information:						
Site:	**Coyote Compressor Station**					
Company:	**Targa Resources**					
Section, Township and Range	**Unit C**	**Sec. 09**	**T 25S**	**R 27E**		
Lease Number:						
County:	**Eddy County**					
GPS:	**32.1502**			**-104.198000**		
Surface Owner:	State					
Mineral Owner:						
Directions:	From intersection Black River Village Rd and Road Runner Rd, travel south on Road Runner Rd for 6.55 Miles. Turn right (Northwest) onto lease road, follow for 0.74 miles. Turn left (Southwest) onto lease road and follow for 0.89 miles. Location is on the right (north of the road).					

Release Data:	
Date Released:	5/21/2017
Type Release:	Condensate and Produced Water
Source of Contamination:	Open and Malfunctioning Check Valve
Fluid Released:	200 bbl condensate & 100 bbl water
Fluids Recovered:	45 bbl condensate & 0 bbl water

Official Communication:			
Name:	Michael Gant		Clair Gonzales
Company:	Targa Resources		Tetra Tech
Address:	3100 McKinnon St #800		901 W. Wall St.
			Ste 100
City:	Dallas, Texas 75201		Midland, Texas, 79701
Phone number:	(314) 330-7876		(432) 682-4559
Fax:			
Email:	Mgant@targaresources.com		clair.gonzales@tetratech.com

Site Characterization	
Depth to Groundwater:	*100' Below Ground Surface*
Karst Potential:	*High*

Recommended Remedial Action Levels (RRALs)				
Benzene	***Total BTEX***	***TPH (GRO+DRO)***	***TPH (GRO+DRO+MRO)***	***Chlorides***
10 mg/kg	*50 mg/kg*	*5,000 mg/kg*	*5,000 mg/kg*	

TETRA TECH

October 20, 2023

New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

RE: Closure Report
Targa Resources
Coyote Compressor Station
Eddy County, New Mexico
2RP-1825 & 2RP-4224
#NAB1714639317

Oil Conservation Division:

Tetra Tech, Inc. (Tetra Tech) was contacted by Targa Resources (Targa) to assess the deferred areas of a release that occurred at the Coyote Compressor Station, Unit C, Section 9, Township 25 South, Range 27 East, Eddy County, New Mexico (Site). The spill site coordinates are 32.150200°, -104.198000°. The site location is shown on **Figures 1 and 2**.

Background

According to the State of New Mexico C-141 Initial Report, the release at the Coyote Compressor Station was caused by an open and malfunctioning check valve, causing the release of 200 barrels (bbls) of condensate and 100 bbls of produced water. The release was contained to the pad and along the side of the lease road, impacting an area of 203' X 152.5'. Additionally, approximately 45 bbls of condensate were recovered and no produced water was recovered. On May 21, 2017, the release was discovered and reported to the New Mexico Oil Conservation Division (NMOCD). The C-141 is shown in **Appendix A**. The work conducted on this site follows the NMOCD approved work plan, dated on June 20, 2017. The state correspondence referring to the work plan approval are shown in **Appendix B**. Additionally, Targa requested an extension for the additional work required for closure of the site on July 20, 2023 and received NMOCD approval on July 21, 2023 for the revised deadline of October 21, 2023, the correspondence is shown in **Appendix B**.

Site Characterization

Significant Water Features

According to the NFHL (National Flood Hazard Layer) Flood Data Application and the USGS (United States Geological Survey) National Water Information System Mapper, there were no watercourses, lakebeds, sinkholes, playa lakes, springs, wetlands, subsurfaces mines, private domestic water wells, or floodplains located within the specified distances. However, the

site is located in a high karst area. The NFHL Map and USGS Mapper are shown in **Appendix C**.

Significant Boundaries

According to Google Earth US Government City Boundaries and US School Districts, the lateral extents of the release were not within incorporated municipal boundaries, defined municipal fresh water well field, or a school district. Additionally, there were no occupied permanent residences, schools, hospitals, institution, or churches located within the specified distances of the lateral extents of the release.

Groundwater Review

Groundwater research was completed for the site through the USGS National Water Information System and New Mexico Office of the State Engineer (NMOSE) Water Rights Reporting System. Groundwater research conducted through these two resources, show the two closest water wells within a 4-mile radius of the Site. The well reported on the USGS National Water Information System reports a water level measured at 33.41 feet below ground surface (ft bgs) and is approximately 2.57 miles of the Site. The well reported on the NMOSE Water Rights Reporting System reports a total depth of 95 ft bgs and measured water level of 70 ft bgs and is approximately 3.77 miles of the Site. The groundwater information is shown in **Appendix C**. Additionally, as shown in the previously approved work plan and the previously submitted closure report, which is included in **Appendix D**, elevation and groundwater data was compiled and indicates that groundwater at the site is likely at 100 ft bgs.

Distance from Site	Date of Data	Resource of Information	Depth of Well	Depth to Water
2.57 Miles	1/07/1998	USGS	N/A	33.41’
3.77 Miles	7/23/1971	NMOSE	95’	70’

Regulatory

A risk-based evaluation was performed for the site following the NMOCD Guidelines for Remediation of Leaks, Spills, and Releases, updated August 14, 2018. The guidelines require a risk-based evaluation of the site to determine recommended remedial action levels (RRAL) for benzene, toluene, ethylbenzene, and xylene (collectively referred to as BTEX) and total petroleum hydrocarbons (TPH) in soil. The proposed RRAL for benzene was determined to be 10 parts per million (ppm) or milligrams per kilogram (mg/kg) and 50 ppm for total BTEX (sum of benzene, toluene, ethylbenzene, and xylene). Based upon the previously approved work plan, the proposed RRAL for TPH is 5,000 mg/kg (GRO + DRO + ORO).

Previous Consultant Activities

Souder, Miller & Associates (SMA) previously conducted initial delineation and remediation activities, as described in the previously submitted closure report, dated November 14, 2017. A total of seven (7) samples (Source, L1 through L6), were installed within the impact to determine delineation of the release. Additionally, a total of four (4) samples (SW1 through SW4) were installed directly outside of the impact to determine horizontal delineation of the

release. Following the initial delineation, SMA conducted excavation activities of the areas of impact, to total depths ranging from 0.5 ft bgs to 3.5 ft bgs. However, due to equipment and safety concerns, a deferral was requested of the areas of the Source sample and the L1 sample.

Referring to the Summary Table located in the previous submitted closure report, shown in **Appendix D**, TPH concentrations above RRALs were indicated in samples L1, L4, and L5, with concentrations ranging from 5,906 mg/kg to 25,000 mg/kg, at depths ranging from surface to 3.5 ft bgs. Additionally, elevated chloride concentrations were indicated in samples Source and L4, with concentrations ranging from 4,000 mg/kg to 5,700 mg/kg, at surface depths. All elevated and exceeding concentrations were excavated, with the exception of the deferred areas of Source and L1. The initial impact and sample locations are shown on **Figure 3**.

Site Assessment Activities

On August 30, 2023, Tetra Tech conducted additional sampling activities of the deferred areas of samples Source and L1 to collect current data to determine if there was remaining impact. A total of two (2) auger holes (AH-1 through AH-2) were installed to total depths ranging from 2.5 ft bgs to 3.5 ft bgs to collect current data of the areas. The sample locations are shown on **Figure 4.**

The samples were submitted to Envirotech Laboratory in Farmington, New Mexico to be analyzed for TPH by method 8015 modified, BTEX by method 8021B, and Chloride by EPA Method 300.0. The analytical results are summarized in **Table 1** and the analytical laboratory reports are included in **Appendix E**.

Referring to Table 1, auger holes AH-1 through AH-2 did not indicate benzene, BTEX, TPH, or chloride concentrations above RRALs. Auger holes AH-1 and AH-2 indicated TPH concentrations above laboratory detection limits, with concentrations ranging from 70.1 mg/kg to 594 mg/kg, at depths ranging from surface to 3.5 ft bgs. Auger hole AH-2 indicated chloride concentrations above laboratory detection limits, with concentrations ranging from 207 mg/kg to 291 mg/kg, at depths ranging from surface to 1.5 ft bgs.

Conclusions

Targa requested an extension for the additional work required for closure of the site on July 20, 2023 and received NMOCD approval on July 21, 2023 for the revised deadline of October 21, 2023, the correspondence is shown in **Appendix B**. Based on the C-141 (NAB1714639317) and information provided by Targa, Tetra Tech performed site characterization and groundwater research to determine groundwater depth, proximity from significant water features, and proximity from specified populated entities to determine RRALs and assess the impacted area. Based on the NMOCD *Guidelines for Remediation of Leaks, Spills, and Releases*, updated August 14, 2018, according to the groundwater data found during research activities, and the NMOCD approved work plan, the RRALs of 5,000 mg/kg for TPH were followed. Based on Tetra Tech assessment activities, laboratory results indicated current chloride and TPH concentrations in auger holes AH-1 and AH-2, in the previously deferred areas of samples Source and L1, were reported below RRALs. The decrease in TPH

concentrations is likely due to natural attenuation and the decrease in chloride concentrations is likely due to dilution due to rain events over the extended period of time.

The analytical results indicated all samples from auger holes AH-1 and AH-2 reported below the RRALs, as approved by the NMOCD in the previously approved work plan, for all constituents. Based on this information, it is recommended that the Site requires no further action. The final C-141 is included in **Appendix A**.

If you require any additional information or have any questions or comments, please contact us at (432) 682-4559.

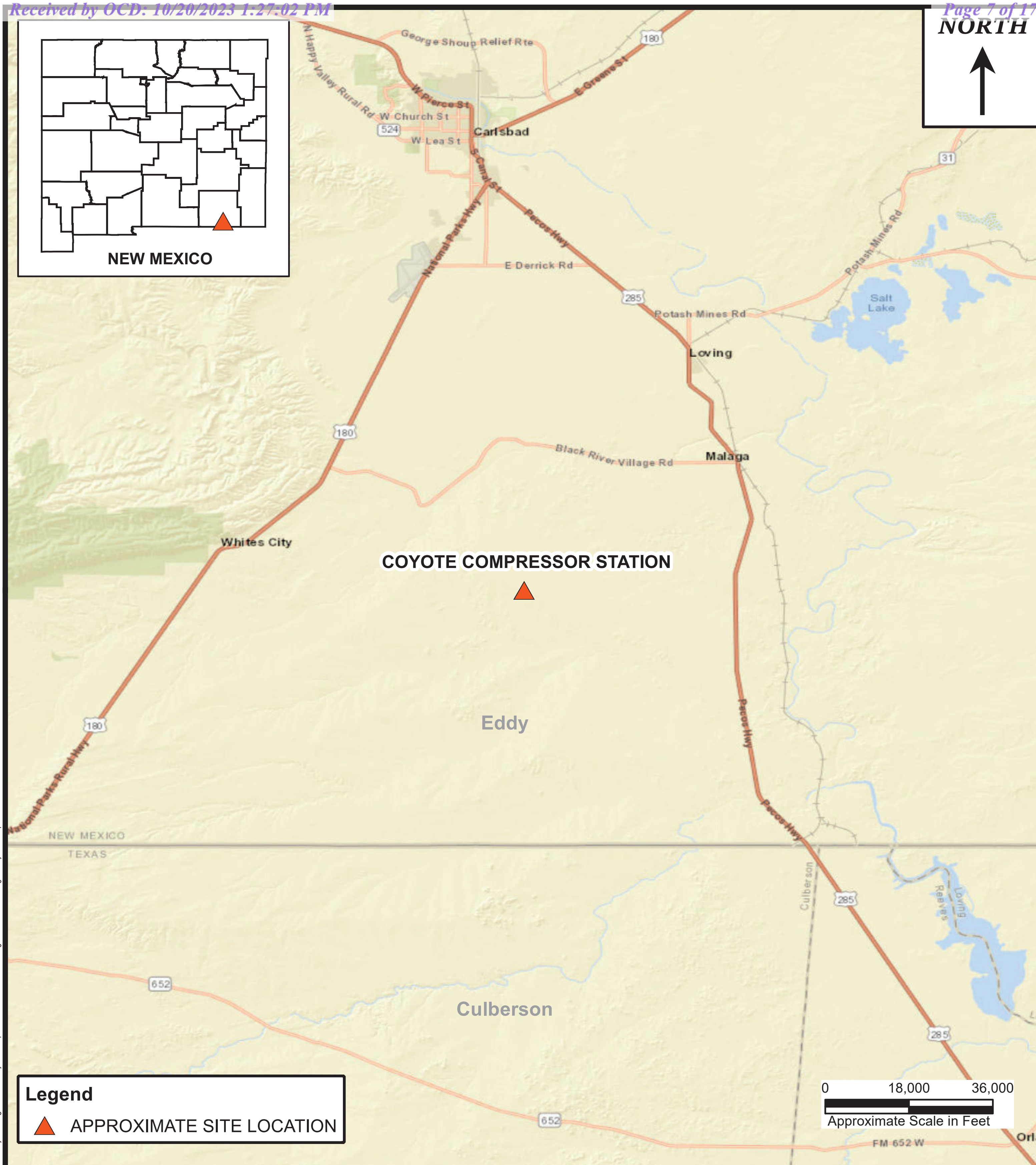
Respectfully submitted,
TETRA TECH

Brittany Long,
Project Manager

Clair Gonzales, P.G.
Senior Project Manager

TETRA TECH

Figures



TETRA TECH

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Midland, Texas 79701
Phone: (432) 682-4559
Fax: (432) 682-3946

TARGA RESOURCES

SITE LOCATION MAP
COYOTE COMPRESSOR STATION

EDDY COUNTY, NEW MEXICO
(32.1502°, -104.1980°)

PROJECT NO.: 212C-MD-03217

DATE: September 28, 2023

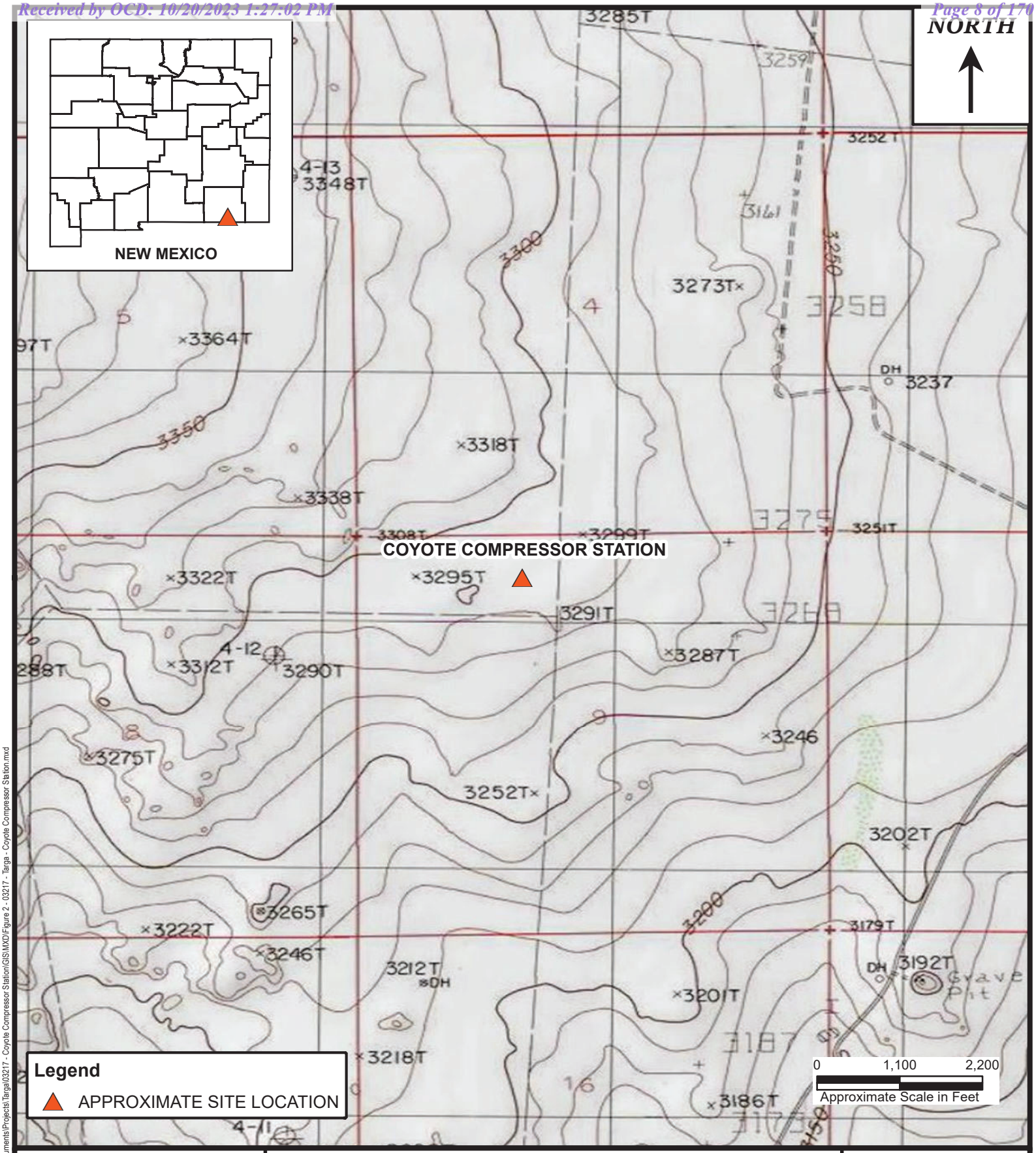
DESIGNED BY: EMF

Figure No.

1

Document Path: C:\Users\E.MORENOFLORES\Documents\Projects\Targa\03217 - Coyote Compressor Station\GIS\MXD\Figure 1 - 03217 - Targa - Coyote Compressor Station.mxd

Service Layer Credits: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community



TARGA RESOURCES

TOPOGRAPHIC MAP
COYOTE COMPRESSOR STATION

EDDY COUNTY, NEW MEXICO
(32.1502°, -104.1980°)

PROJECT NO.:	212C-MD-03217
DATE:	September 28, 2023
DESIGNED BY:	EMF

Figure No.

2

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Midland, Texas 79701
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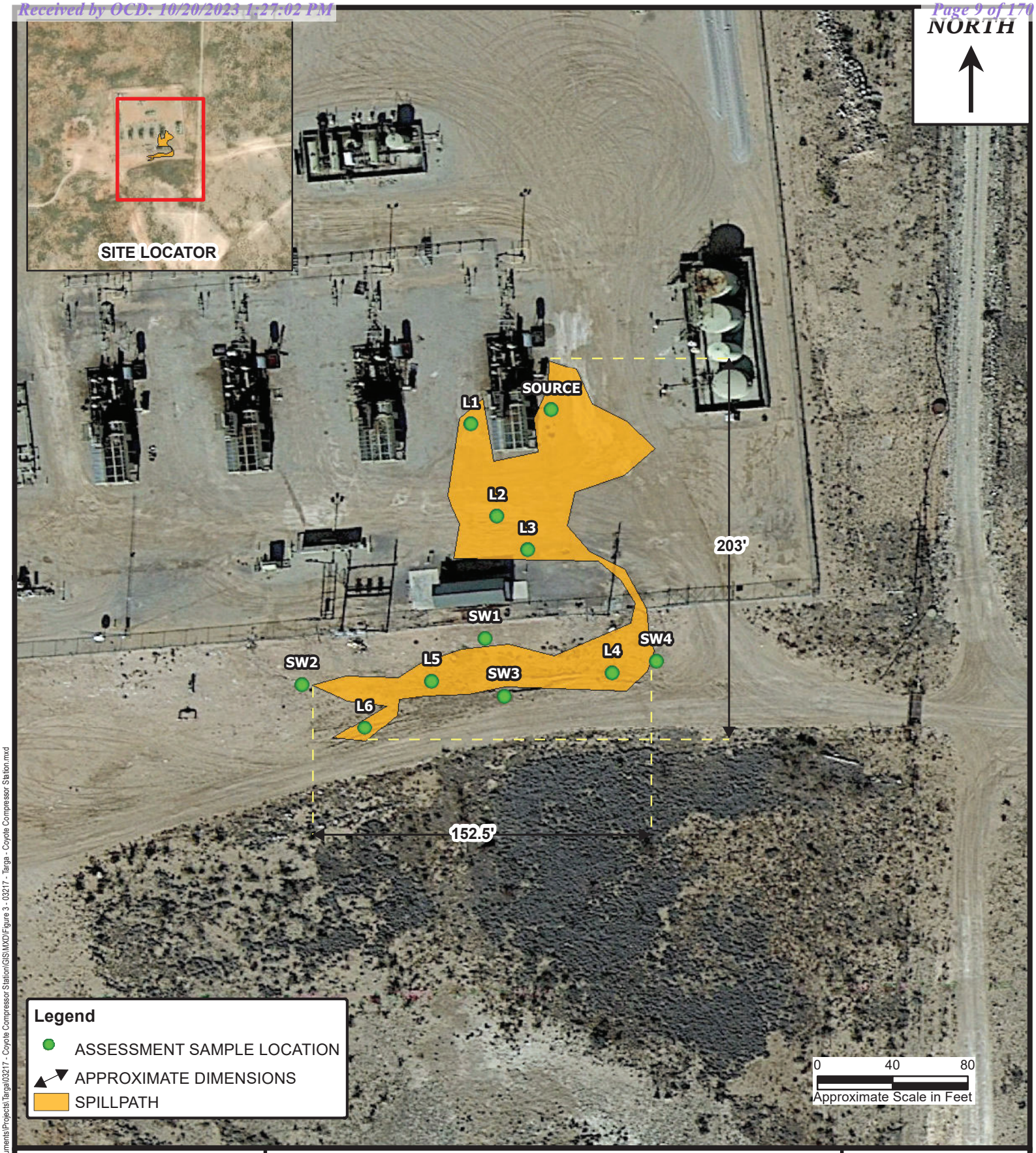
Fax: (432) 682-3946

Document Path: C:\Users\E.MORENOFLORES\Documents\Projects\Targa\03217 - Coyote Compressor Station\GIS\MXD\Figure 2 - 03217 - Targa - Coyote Compressor Station.mxd



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TARGA RESOURCES

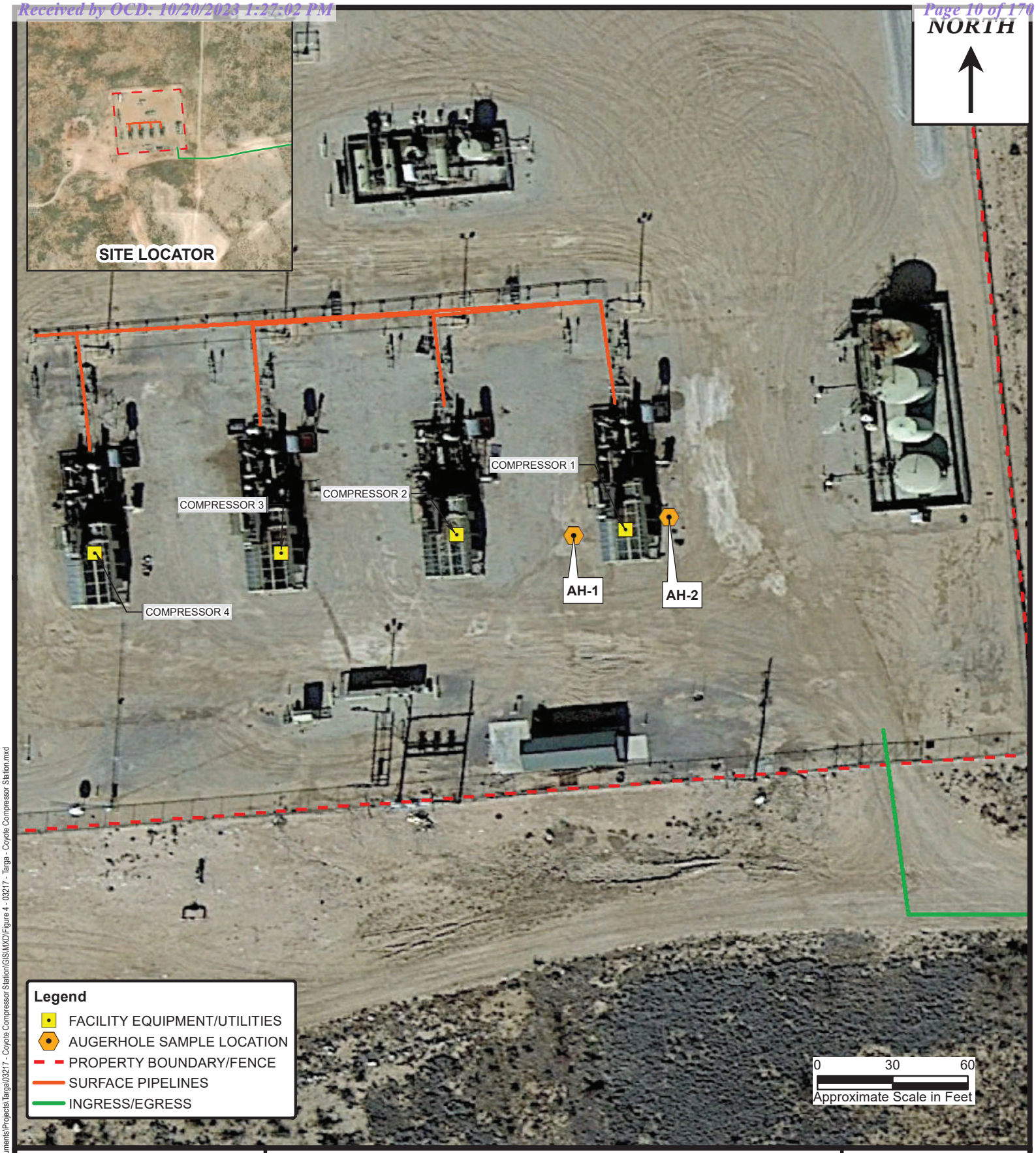
SITE ASSESSMENT MAP (NON-TETRA TECH)
COYOTE COMPRESSOR STATION

EDDY COUNTY, NEW MEXICO
(32.1502°, -104.1980°)

PROJECT NO.:	212C-MD-03217
DATE:	September 28, 2023
DESIGNED BY:	EMF

Figure No.

3



Document Path: C:\Users\EMORENOFLORES\Documents\Projects\Targa\03217 - Coyote Compressor Station\GIS\MXD\Figure 4 - 03217 - Targa - Coyote Compressor Station.mxd

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TARGA RESOURCES

SITE ASSESSMENT (TETRA TECH)
COYOTE COMPRESSOR STATION

EDDY COUNTY, NEW MEXICO
(32.1502°, -104.1980°)

PROJECT NO.:	212C-MD-03217
DATE:	September 28, 2023
DESIGNED BY:	EMF

Figure No.

4

Basemap Image Credits: Esri, Maxar, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TETRA TECH

Tables

Table 1
Targa Resources
Coyote Compressor Station
Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				BTEX (mg/kg)					Chloride (mg/kg)
			In-Situ	Removed	GRO mg/kg	DRO mg/kg	ORO mg/kg	Total mg/kg	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylenes (mg/Kg)	Total (mg/Kg)	
RRALs (Based on Previously Approved Work Plan)								**5,000 mg/kg**	**10 mg/kg**				**50 mg/kg**	**600 mg/kg**
Assessment														
AH-1 (Area of "L1")	8/30/2023	0-1	X	-	<20.0	149	445	594	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0
	"	1.0-1.5	X	-	<20.0	89.9	151	151	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<200
	"	2.0-2.5	X	-	<20.0	200	315	515	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<200
	"	3.0-3.5	X	-	<20.0	70.1	<50.0	70.1	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<200
AH-2 (Area of "Source")	8/30/2023	0-1	X	-	<20.0	<25.0	73.1	73.1	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	291
	"	1.0-1.5	X	-	<20.0	<25.0	<50.0	<50.0	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	207
	"	2.0-2.5	X	-	<20.0	<25.0	73.3	73.3	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<200

NOTES

RRALs (Recommended Remediation Action Levels) are based on NMOCD (New Mexico Oil Conservation Devision) *Guidelines for Remediation of Leaks, Spills, and Releases.*

All screening values and results are presented in milligrams per kilogram (mg/kg)

Bolded cells represent a detected concentration above the recommended remediation action level.

< = analyte was not detected above the respective sample detection limit

ft = feet below ground surface

(-) = not analyzed for respective constituent

TPH = total petroleum hydrocarbons

BTEX = benzene, toluene, ethylbenzene, xylene

Exceedance

TETRA TECH

Photographic Documentation

Targa Resources
Coyote Compressor Station
Eddy County, New Mexico

View of Area of Source and L1 – View West

View of Area of Source and L1 – View Northwest

TETRA TECH

Appendix A

C-141 Document

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

nJMW1322640868

OPERATOR

X Initial Report ☐ Final Report

Name of Company AGAVE ENERGY COMPANY 147831	Contact AUSTIN WEYANT
Address 105 SOUTH 4TH STREET ARTESIA, NM	Telephone No. 575 513-8988
Facility Name COYOTE COM[RESSOR STATION	Facility Type COMPRESSOR STATION

Surface Owner	Mineral Owner	API No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	9	25 S	27E					EDDY

Latitude N32.1509 **Longitude** W104.1980

NATURE OF RELEASE

Type of Release CONDENSATE	Volume of Release 200BBL	Volume Recovered 45BBL
Source of Release PRODUCT TANK	Date and Hour of Occurrence	Date and Hour of Discovery
Was Immediate Notice Given? ☐ Yes ☐ No X Not Required	If YES, To Whom? Approx. 8/9/13 per phone call	
By Whom?	Date and Hour	
Was a Watercourse Reached? ☐ Yes X No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

RECEIVED
AUG 13 2013
NMOCD ARTESIA

Describe Cause of Problem and Remedial Action Taken.*

2 inch ball valve failed allowing condensate to flow back through open drain piping and out compressor unit sump. The affected area was bordered with a temporary soil berm while a vacuum truck preformed recovery operations. An emergency 811 was made and clean up started. Check valves have been installed on open drain line to prevent any future backflow.

Describe Area Affected and Cleanup Action Taken.*

Affected area on the station's pad is 100ft X 60ft with a vertical extent of 4-7 inches, a portion of the release flowed off the pad and on to a lease road and bare ditch Affected are is 70ft long by 3ft wide with a vertical extent of 2ft. Affected soil will be removed and hauled off to R360 for disposal and replaced with unaffected top soil. Samples will be pulled from surface down to 4ft Cl, TPH and BTEX will be included in any analysis.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: Austin Weyant

Printed Name: AUSTIN WEYANT

Title: ENG TECH

E-mail Address: aweyant@yatespetroleum.com

Date: 8/13/13 Phone: 575 513-8988

OIL CONSERVATION DIVISION

Approved by Environmental Specialist: Signed By Mike Bratcher

Approval Date: AUG 14 2013 Expiration Date:

Conditions of Approval: Remediation per OCD Rule & Guidelines. **SUBMIT REMEDIATION PROPOSAL NO LATER THAN:** September 14, 2013

Attached ☐

fJMW1322640713 / iJMW1322644052

2RP-1825

NM OIL CONSERVATION
ARTESIA DISTRICT
MAY 25 2017
RECEIVED

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

fAB1714639098
nAB1714639317

Release Notification and Corrective Action

OPERATOR

X Initial Report Final Report

Name of Company: Lucid Energy Delaware 371960	Contact Kerry Egan
Address 326 West Quay Artesia, NM 88210	Telephone No. 575 513-8988
Facility Name: Coyote Compressor Station	Facility Type: Compressor Station

Surface Owner: State of NM	Mineral Owner	API No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	9	25S	27E					EDDY

Latitude 32.1502 **Longitude** -104.1980

NATURE OF RELEASE

Type of Release: Pipeline Liquids	Volume of Release: Estimated 100 bbls of pipeline liquids (condensate/waste water)	Volume Recovered: None
Source of Release: Valve left open, and a malfunctioning check valve failed to prevent flow	Date and Hour of Occurrence: 5/21/2017	Date and Hour of Discovery: 5/21/2017
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Upon notification to Lucid EH&S, an email notification was made to Mike Bratcher on 5/23/2017	
By Whom? Kerry Egan	Date and Hour: 5/23/2017 6:55AM	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

During the early morning of Sunday 5/21/2017 a load of pipeline liquids (condensate/produced water) was being collected at the Coyote Compressor station. A valve was mistakenly left open on the lines connecting the tanks to station dumps and skid drains. The check valve intended to prevent backflow in the line was not properly operating and allowed flow back through the lines, to a compressor unit skid. This backflow overflowed the skids containment.

Upon discovery the valve was shut, what liquid was still in the skid containment was pumped to the tanks. The check valve has been repaired to ensure proper operation. Contractors are being instructed on proper truck loading procedures at the site.

Describe Area Affected and Cleanup Action Taken.*

Once the liquid overflowed the skid containment it ran along the surface of the station pad, toward the south fence line, for approximately 120'. Once it reached the south fence, it pooled in a low-lying spot between the fence and the lease road. The area where pooling occurred appears to be 100' in length by 20' in width.

Preliminary remediaiton has begun inside the station's fence, deeper excavation is pending sample results. A site remediation plan is being prepared and will be submitted after reviewing the initial sampling results.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: Kerry Egan	OIL CONSERVATION DIVISION Signed By Mike Bratcher Approved by Environmental Specialist:	
Printed Name: Kerry Egan		
Title: Environmental Compliance Coordinator	Approval Date: 5/26/17	Expiration Date: N/A
E-mail Address: KEgan@agaveenergy.com	Conditions of Approval: See attached	Attached ☒
Date: 5/24/2017 Phone: 575 810-6021		

* Attach Additional Sheets If Necessary

New forms can be found in the New Mexico State Website in forms: http://www.emnrd.state.nm.us/OCD/forms.html

2RP-4224

Operator/Responsible Party,

The OCD has received the form C-141 you provided on 5/25/17 regarding an unauthorized release. The information contained on that form has been entered into our incident database and remediation case number 2RP-4224 has been assigned. **Please refer to this case number in all future correspondence.**

It is the Division's obligation under both the Oil & Gas Act and Water Quality Act to provide for the protection of public health and the environment. Our regulations (19.15.29.11 NMAC) state the following,

> *The responsible person shall complete division-approved corrective action for releases that endanger public health or the environment. The responsible person shall address releases in accordance with a remediation plan submitted to and approved by the division or with an abatement plan submitted in accordance with 19.15.30 NMAC.* [emphasis added]

Release characterization is the first phase of corrective action unless the release is ongoing or is of limited volume and all impacts can be immediately addressed. Proper and cost-effective remediation typically cannot occur without adequate characterization of the impacts of any release. Furthermore, the Division has the ability to impose reasonable conditions upon the efforts it oversees. **As such, the Division is requiring a workplan for the characterization of impacts associated with this release be submitted to the OCD District 2 office in ARTESIA on or before 6/25/17. If and when the release characterization workplan is approved, there will be an associated deadline for submittal of the resultant investigation report. Modest extensions of time to these deadlines may be granted, but only with acceptable justification.**

The goals of a characterization effort are: 1) determination of the lateral and vertical extents along with the magnitude of soil contamination. 2) determine if groundwater or surface waters have been impacted. 3) If groundwater or surface waters have been impacted, what are the extents and magnitude of that impact. 4) The characterization of any other adverse impacts that may have occurred (examples: impacts on vegetation, impacts on wildlife, air quality, loss of use of property, etc.). To meet these goals as quickly as possible, the following items must, at a minimum, be addressed in the release characterization workplan and subsequent reporting:

- Horizontal delineation of soil impacts in each of the four cardinal compass directions. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C_6 thru C_{36}), and for chloride by Method 300. This is not an exclusive list of potential contaminants. Analyzed parameters should be modified based on the nature of the released substance(s). Soil sampling must be both within the impacted area and beyond.

- Vertical delineation of soil impacts. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C_6 thru C_{36}), and for chloride by Method 300. As above, this is not an exclusive list of potential contaminants and can be modified. Vertical characterization samples should be taken at depth intervals no greater than five feet apart. Lithologic description of encountered soils must also be provided. At least ten vertical feet of soils with contaminant concentrations at or below these values must be demonstrated as existing above the water table.

- Nominal detection limits for field and laboratory analyses must be provided.

- Composite sampling is not generally allowed.

- Field screening and assessment techniques are acceptable (headspace, titration, EC [include algorithm for validation purposes], EM, etc.), but the sampling and assay procedures must be clearly defined. Copies of field notes are highly desirable. A statistically significant set of split samples must be submitted for confirmatory laboratory analysis, including the laterally farthest and vertically deepest sets of soil samples. Make sure there are at least two soil samples submitted

for laboratory analysis from each borehole or test pit (highest observed contamination and deepest depth investigated). Copies of the actual laboratory results must be provided including chain of custody documentation.

•Probable depth to shallowest protectable groundwater and lateral distance to nearest surface water. If there is an estimate of groundwater depth, the information used to arrive at that estimate must be provided. If there is a reasonable assumption that the depth to protectable water is 50 feet or less, the responsible party should anticipate the need for at least one groundwater monitoring well to be installed in the area of likely maximum contamination.

• If groundwater contamination is encountered, an additional investigation workplan may be required to determine the extents of that contamination. Groundwater and/or surface water samples, if any, must be analyzed by a competent laboratory for volatile organic hydrocarbons (typically Method 8260 full list), total dissolved solids, pH, major anions and cations including chloride and sulfate, dissolved iron, and dissolved manganese. The investigation workplan must provide the groundwater sampling method(s) and sample handling protocols. To the fullest extent possible, aqueous analyses must be undertaken using nominal method detection limits. As with the soil analyses, copies of the actual laboratory results must be provided including chain of custody documentation.

• Accurately scaled and well-drafted site maps must be provided providing the location of borings, test pits, monitoring wells, potentially impacted areas, and significant surface features including roads and site infrastructure that might limit either the release characterization or remedial efforts. Field sketches may be included in subsequent reporting, but should not be considered stand-alone documentation of the site's layout. Digital photographic documentation of the location and fieldwork is recommended, especially if unusual circumstances are encountered.

Nothing herein should be interpreted to preclude emergency response actions or to imply immediate remediation by removal cannot proceed as warranted. Nonetheless, characterization of impacts and confirmation of the effectiveness of remedial efforts must still be provided to the OCD before any release incident will be closed.

Jim Griswold
OCD Environmental Bureau Chief
1220 South St. Francis Drive
Santa Fe, New Mexico 87505
505-476-3465
jim.griswold@state.nm.us

State of New Mexico
Oil Conservation Division

Incident ID	NAB1714639317
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	~100 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☑ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☑ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☑ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☑ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☑ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☑ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☑ Yes ☐ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☑ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☑ No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: ***Each of the following items must be included in the report.***

- ☐ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☐ Field data
- ☐ Data table of soil contaminant concentration data
- ☐ Depth to water determination
- ☐ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☐ Photographs including date and GIS information
- ☐ Topographic/Aerial maps
- ☐ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NAB1714639317
District RP	
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Michael Gant Title: Senior Environmental Specialist

Signature: MGant Date: 10/20/2023

email: mgant@targaresources.com Telephone: (314) 330-7876

OCD Only

Received by: _____ Date: _____

Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	NAB1714639317
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: ***Each of the following items must be included in the closure report.***

☑ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☑ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☑ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☑ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Michael Gant Title: Senior Environmental Specialist

Signature: MGant Date: 10/20/2023

email: mgant@targaresources.com Telephone: (314) 330-7876

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Brittany Hall Date: 10/31/2023

Printed Name: Brittany Hall Title: Environmental Specialist

TETRA TECH

Appendix B

State Correspondence

Bratcher, Mike, EMNRD

From: Bratcher, Mike, EMNRD
Sent: Thursday, July 13, 2017 9:12 AM
To: 'Kerry Egan'; Weaver, Crystal, EMNRD
Cc: Heather Patterson
Subject: RE: Coyote Compressor Station: 2RP-1825 and 2RP-4224

RE: Lucid Energy Delaware * Coyote Compressor Station * 2RP-4224 * DOR: 5/21/17

Kerry,

Your proposal for partial remediation of the above refenced release is approved. It is OCD's understanding that it will not be practicable to achieve RRAL's in some of the impacted areas due to equipment, lines, and/or bedrock. Some elevated hydrocarbon levels will be left in place and deferred to a time when access permits additional remedial actions. This deferral will be documented in OCD database. All impacted material above RRAL that is accessible will be removed to an OCD approved disposal. OCD's depth to groundwater research for this site, indicates that there is a potential for encountering groundwater at slightly less than 100' bgs, however, that would not affect the proposed remedial actions at this time, and would likely require installation of an exploratory well to confirm.

If you have any questions or concerns, and for notification, please contact me.

Thanks,

Mike Bratcher
NMOCD District 2
811 S. First St.
Artesia NM 88210
575-748-1283 Ext 108
mike.bratcher@state.nm.us

From: Kerry Egan [mailto:KEgan@agaveenergy.com]
Sent: Thursday, June 29, 2017 11:12 AM
To: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Weaver, Crystal, EMNRD <Crystal.Weaver@state.nm.us>
Cc: Heather Patterson <heather.patterson@soudermiller.com>
Subject: Coyote Compressor Station: 2RP-1825 and 2RP-4224

Mike and Crystal,

As we discussed here is the report and work plan for the release at the Coyote Compressor Station. I've included the second map with the depth to groundwater of surrounding wells shown. Upon approval of work plan we'll finish excavating the contaminated material and sample as planned.

If you have any subsequent questions that weren't covered in our meeting this morning, please feel free to get in touch with me.

Thanks,

Kerry Egan
Environmental Compliance Coordinator

LUCID energy group

326 W. Quay
Artesia, NM Office: (575) 810-6021 | Cell: (575) 513-8988
Kegan@agaveenergy.com | www.lucid-energy.com

Bratcher, Mike, EMNRD

From: Bratcher, Mike, EMNRD
Sent: Wednesday, October 18, 2017 8:02 AM
To: Heather Patterson; Weaver, Crystal, EMNRD
Cc: Kerry Egan; Austin Weyant; agroves (agroves@slo.state.nm.us)
Subject: RE: Backfill request

RE: Lucid Energy * Coyote Station * 2RP-1825 & 4224

Heather,

Your request to backfill the areas identified as L4 & L5 at the above referenced site is approved.

Thank you,

Mike Bratcher
NMOCD District 2
811 South First Street
Artesia, NM 88210
575-748-1283 Ext 108

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

From: Heather Patterson [mailto:heather.patterson@soudermiller.com]
Sent: Tuesday, October 17, 2017 2:59 PM
To: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Weaver, Crystal, EMNRD <Crystal.Weaver@state.nm.us>
Cc: Kerry Egan <KEgan@lucid-energy.com>; Austin Weyant <austin.weyant@soudermiller.com>
Subject: Backfill request

RE: Lucid Energy * Coyote Station * 2RP-1825 * 2RP-4224

Good Afternoon,

On behalf of Lucid Energy, I would like to request backfill at the Coyote Station. This request is for the area between the pipelines and includes sample locations L4 and L5. Attached you'll find the site map and the lab results.

Thank you,

Heather Patterson
Staff Scientist
Souder, Miller & Associates
Engineering ♦ Environmental ♦ Surveying
201 Halagueno St
Carlsbad, NM 88220
www.soudermiller.com

(575)200-5343 (mobile)

Long, Brittany

From: Long, Brittany
Sent: Friday, October 20, 2023 11:13 AM
To: Long, Brittany
Subject: FW: [EXTERNAL] (Extension Approval) NAB1714639317 COYOTE COMPRESSOR STATION

Brittany D. Long,

Brittany D. Long | **Biologist & Project Manager**
Phone: 432.682.4559 | Mobile 432.741.5813 | Fax:432.682.3946
Brittany.Long@tetratech.com

Tetra Tech | *Leading with Science®*
901 West Wall Street, Suite 100 Midland, Texas 79701

From: Gant, Michael <mgant@targaresources.com>
Sent: Friday, October 20, 2023 9:47 AM
To: Long, Brittany <Brittany.Long@tetratech.com>
Subject: FW: [EXTERNAL] (Extension Approval) NAB1714639317 COYOTE COMPRESSOR STATION

Michael Gant
Senior Environmental Specialist
TARGA
Targa Resources
3100 McKinnon St. #800 Dallas, TX 75201
+1 (314) 330 7876 Cell
mgant@targaresources.com
https://www.targaresources.com/

From: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Sent: Friday, July 21, 2023 4:10 PM
To: Gant, Michael <mgant@targaresources.com>
Cc: Higginbotham, Christina M. <chigginbotham@targaresources.com>
Subject: [EXTERNAL] (Extension Approval) NAB1714639317 COYOTE COMPRESSOR STATION

RE: Incident #**NAB1714639317**

Michael,

Your request for an extension to **October 21st, 2023** is approved. Please include this e-mail correspondence in the remediation and/or closure report.

Robert Hamlet ● Environmental Specialist - Advanced
Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave.| Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
http://www.emnrd.state.nm.us/OCD/

From: Gant, Michael <mgant@targaresources.com>
Sent: Thursday, July 20, 2023 2:17 PM
To: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>
Cc: Higginbotham, Christina M. <chigginbotham@targaresources.com>
Subject: [EXTERNAL] NAB1714639317 Extension Request

Good Afternoon,

Targa Resources is submitting a request for extension of time to respond to the incident, NAB1714639317 at the Coyote Compressor Station. This incident occurred in 2017 under Lucid Energy Delaware LLC. and a closure report was submitted via email on 11.15.2017. On 4/26/2023, OCD updated the incident page reporting that the incident had been denied closure and a representative was notified. However, there was no notice of the closure denial received by any of the current Targa Resources representatives. Lucid Energy Delaware assets were acquired by Targa Resources on 7/1/2022. Targa only recently learned this week that this historical Lucid incident was still reported as “Closure Not Approved” on the OCD incident page and would appreciate additional time to appropriately respond to the OCD regarding site remediation and closure request.

Please let me know if you have any questions or concerns.

Thank you,
Michael Gant
Senior Environmental Specialist
TARGA
Targa Resources

3100 McKinnon St. #800 Dallas, TX 75201
+1(314) 330 7876 Cell | mgant@targaresources.com | https://www.targaresources.com/

TETRA TECH

Appendix C

Site Characterization Documents

New Mexico Office of the State Engineer

Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Tws	Rng	(NAD83 UTM in meters) X	Y
	C 01452				22	24S	27E	577435	3563175*

Driller License:	30	**Driller Company:**	BARRON, EMMETT		
Driller Name:	BARRON, EMMETT				
Drill Start Date:	07/21/1971	**Drill Finish Date:**	07/23/1971	**Plug Date:**	
Log File Date:	08/02/1971	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	7.00	**Depth Well:**	95 feet	**Depth Water:**	70 feet

Water Bearing Stratifications:	Top	Bottom	Description
	60	70	Sandstone/Gravel/Conglomerate

***UTM location was derived from PLSS - see Help**

Click to hideNews Bulletins

How are we doing? We want to hear from you. Take our quick survey to tell us what you think.

- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 320959104093001

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 320959104093001 25S.27E.02.21211

Eddy County, New Mexico
Latitude 32°09'59", Longitude 104°09'30" NAD27
Land-surface elevation 3,145.0 feet above NGVD29
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Azotea Tongue of Seven Rivers Formation (313AZOT) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
1992-11-20	16:30 UTC	m	62610		3113.97	NGVD29	1	S		
1992-11-20	16:30 UTC	m	62611		3115.61	NAVD88	1	S		
1992-11-20	16:30 UTC	m	72019	31.03			1	S		
1998-01-07		D	62610		3111.59	NGVD29	1	S		
1998-01-07		D	62611		3113.23	NAVD88	1	S		
1998-01-07		D	72019	33.41			1	S		

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface

Section	Code	Description
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

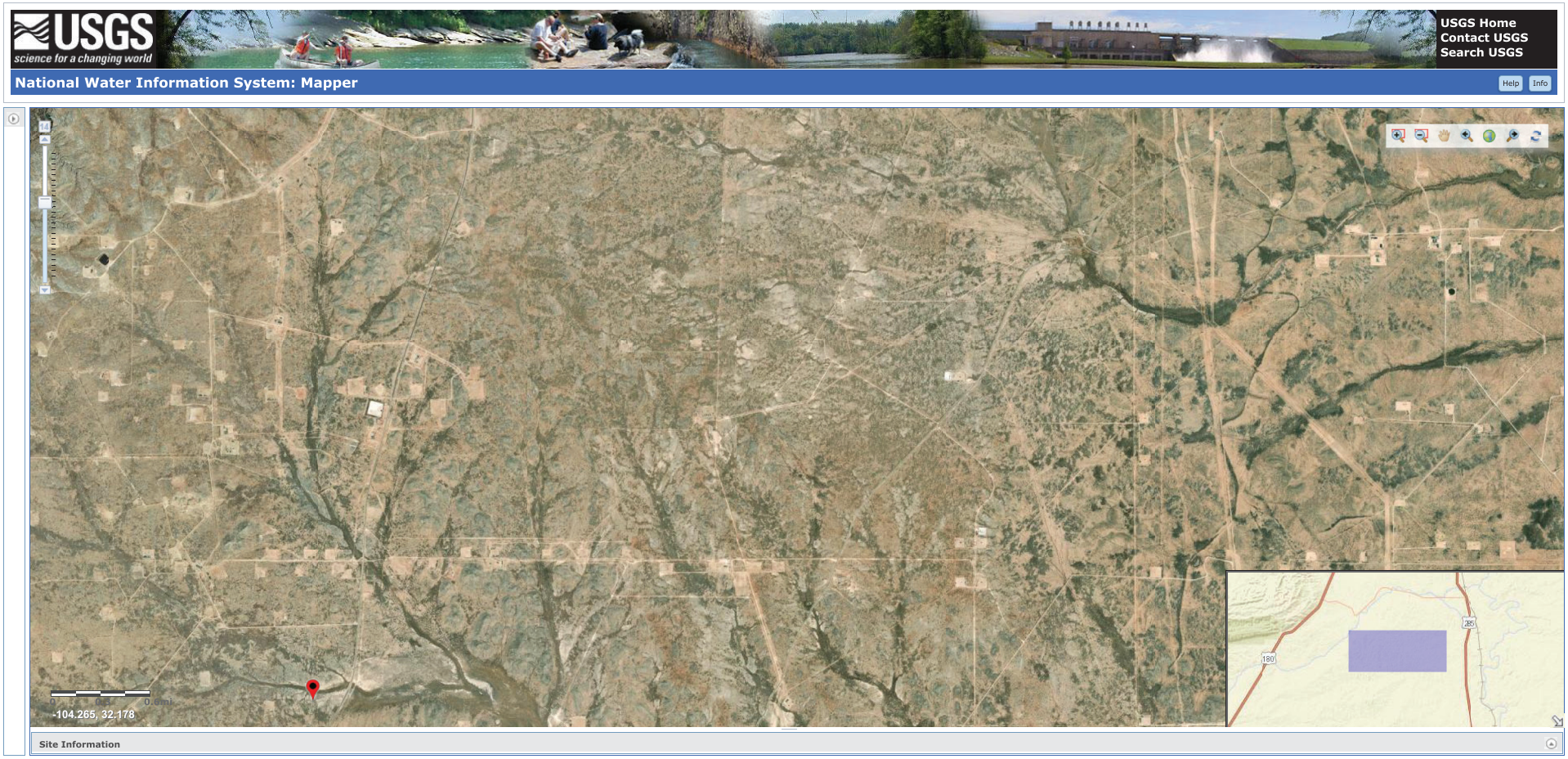
Questions or Comments
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

Accessibility FOIA Privacy Policies and Notices

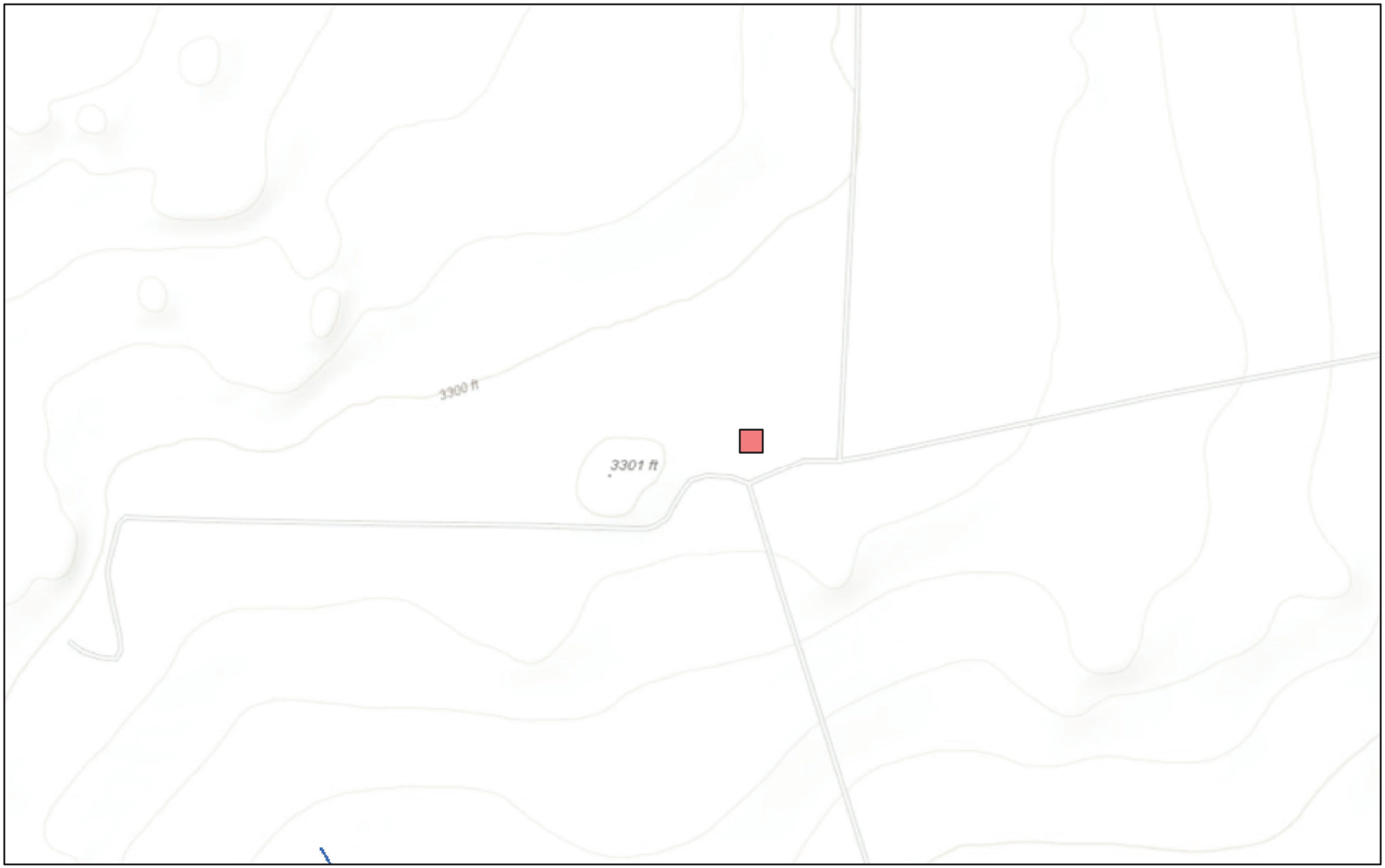
U.S. Department of the Interior | U.S. Geological Survey

Title: Groundwater for USA: Water Levels
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2023-09-14 17:42:02 EDT
0.28 0.24 nadww01



New Mexico NFHL Data



September 14, 2023

1:9,028

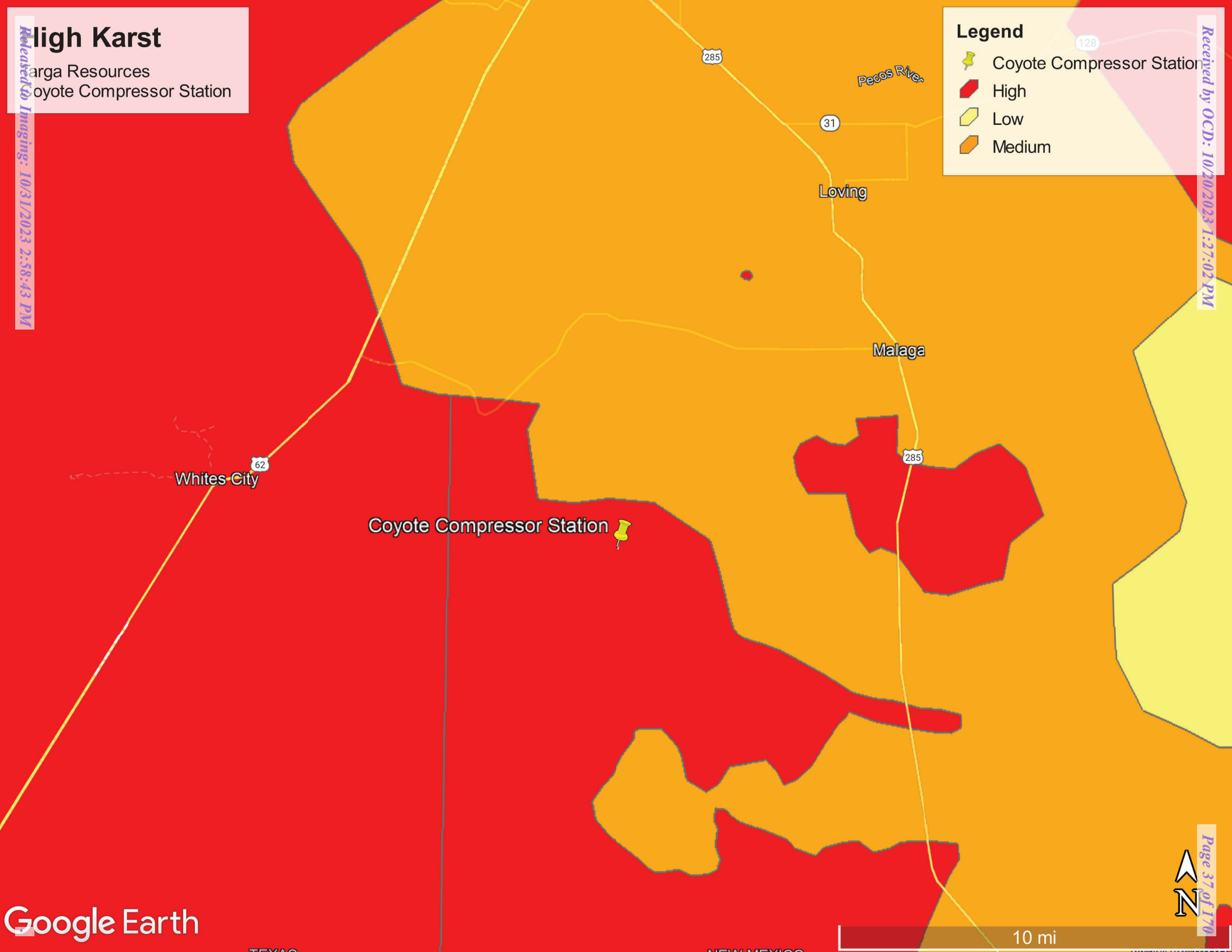
0 0.05 0.1 0.2 mi

0 0.1 0.2 0.4 km

FEMA, Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey,

nmflood.org is made possible through a collaboration with NMDHSEM,

This is a non-regulatory product for informational use only. Please consult your local floodplain administrator for further information.


High Karst
arga Resources
oyote Compressor Station
Released to Imaging: 10/31/2023 2:58:43 PM
Legend
Coyote Compressor Station
High
Low
Medium
Received by OCD: 10/20/2023 1:27:02 PM
285
Pecos River
31
Loving
Malaga
285
62
Whites City
Coyote Compressor Station
Google Earth
10 mi
N
Page 37 of 170

TETRA TECH

Appendix D

Previous Consultant Data

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Lucid Energy Group	OGRID: 372422
Contact Name: Kerry Egan	Contact Telephone: 575-810-6021
Contact email: Kegan@lucid-energy.com	Incident # *(assigned by OCD): 2RP-1825 & 2RP-4224*
Contact mailing address: PO BOX 158 Artesia, NM 88211	

Location of Release Source

Latitude 32.1502 Longitude -104.1980
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Coyote Compressor Station	Site Type: Compressor Station
Date Release Discovered: 8/9/2013 & 5/21/2017	API# *(if applicable)*:N/A

Unit Letter	Section	Township	Range	County
C	9	25S	27E	Eddy

Surface Owner: ☒ State ☐ Federal ☐ Tribal ☐ Private (*Name:*_____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☒ Condensate	Volume Released (bbls): 200 bbls & 100 bbls	Volume Recovered (bbls): 45 bbls & 0 bbls
☐ Natural Gas	Volume Released (Mcf):	Volume Recovered (Mcf):
☐ Other (describe): Pipeline Liquids (i.e. mixture of condensate and water)	Volume/Weight Released (provide units):	Volume/Weight Recovered (provide units):

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Cause of Release: On 5/21/17 an open valve and a malfunctioning check valve caused the release of 100 bbls (2RP-4224) of pipeline liquids consisting of condensate and waste water. The spill ran across the pad and down the bar ditch in front of the facility impacting a total of 950 square yards of surface. Three buried pipelines run through the ditch, with the majority of the spill impacting the area between the pipelines.

In 2013 Lucid, then operating the station as Agave Energy Company, had a similar spill (2RP-1825) that followed the same spill path from the compressor station pad to the pipeline ROW. That spill was addressed at the time, but remains open in NMOCD records. The planned mitigation in this work plan is intended to address and close both spills.

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? Based on the best available information at the time, greater than 25 bbls of condensate were released during both occurrences (i.e. 2RP-1825 in 2013, and 2RP-4224 in 2017).

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Immediate notice was provided to Mike Bratcher, NMOCD District II via phone call on 5/23/2017, by Kerry Egan.

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

☒ The source of the release has been stopped.

☒ The impacted area has been secured to protect human health and the environment.

☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:
At the time of the release, all efforts were made to isolate the source of the release. The site was already partially secured due to the existing fence around the station. The affected area the traveled from the station to the adjoining pipeline ROW was secured with the construction of a barbwire fence to prevent vehicles, persons or livestock from entering the impacted area. The pipeline ROW itself was a relative low spot, laying between the station pad and a lease road. This is why the liquids collected here, and prevented them from migrating horizontally any further.

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Kerry Egan Title: Environmental Compliance Manager

Signature: [signature] Date: 11/9/2018

email: KEgan@lucid-energy.com Telephone: 575-810-6021

Form C-141
Page 3

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

OCD Only

Received by: _____ Date: _____

Form C-141
Page 7

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: ***Each of the following items must be included in the closure report.***

☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Kerry Egan Title: Environmental Compliance Manager

Signature: Kerry Egan Date: 11/9/2018

email: KEgan@lucid-energy.com Telephone: 575-810-6021

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

Kerry Egan

From: Heather Patterson <heather.patterson@soudermiller.com>
Sent: Wednesday, November 15, 2017 8:22 AM
To: mike.bratcher@state.nm.us; Weaver, Crystal, EMNRD (Crystal.Weaver@state.nm.us); agroves@slo.state.nm.us
Cc: Austin Weyant; Kerry Egan; Ruben Molina
Subject: Coyote Station Closure Report
Attachments: Coyote Compressor Station Final Closure Report.pdf

RE: Lucid Energy * Coyote Compressor Station * 2RP-1825 and 2RP-4224

Good Morning,

Please find the attached closure report for the Lucid Energy Group Coyote Compressor Station.

Thank you,

Heather Patterson
Staff Scientist
Souder, Miller & Associates
Engineering ♦ Environmental ♦ Surveying
201 Halagueno St
Carlsbad, NM 88220
www.soudermiller.com
(575)200-5343 (mobile)

Souder, Miller & Associates♦201 S. Halagueno St.♦Carlsbad, NM 88220
(575) 689-8801

November 14, 2017

#5E26084-BG3

NMOCD District 2
Mike Bratcher
811 South First Street
Artesia, NM 88210

SUBJECT: SOIL REMEDIATION CLOSURE REPORT FOR THE INCIDENT AT THE COYOTE COMPRESSOR STATION, EDDY COUNTY, NEW MEXICO

Dear Mr. Bratcher:

On behalf of Lucid Energy Group (Lucid), Souder, Miller & Associates (SMA) has prepared this CLOSURE REPORT that describes the assessment, initial delineation and remediation for a release associated with the Coyote Compressor Station. The site is in UNIT C, SECTION 9, TOWNSHIP 25S, RANGE 27E, NMPM, Eddy County, New Mexico, on State land. Figure 1 illustrates the vicinity and location of the site.

Table 1, below, summarizes information regarding the release.

Table 1: Release information and Site Ranking	
Name	Coyote Compressor Station
Company	Lucid Energy Group
Incident Number	2RP-1825, 2RP-4224
API Number	fJMW1322640713, fAB1714639098
Location	32.1502, -104.1980
Estimated Date of Release	August 9, 2013, May 21, 2017
Date Reported to NMOCD	August 9, 2013, May 23,2017
Land Owner	State
Reported To	NM Oil Conservation Division (NMOCD)
Source of Release	Open valve and malfunctioning check valve
Released Material	Pipeline liquids (Condensate and waste water)
Released Volume	200 bbls, 100 bbls
Recovered Volume	45 bbls, 0 bbls
Net Release	155 bbls, 100bbls
Nearest Waterway	Black River is 5 miles northwest of the location
Depth to Groundwater	Estimated to be greater than 100 feet
Nearest Domestic Water Source	Greater than 1,000 feet
NMOCD Ranking	0
SMA Response Dates	5/31/17, 6/9/17, 9/14/17, 10/16/17 and 10/30/17

1.0 Background

An open valve and a malfunctioning check valve caused the release of 100 bbls of pipeline liquids consisting of condensate and waste water. The spill ran across the pad and down the bar ditch in front of the facility impacting a total of 950 square yards of surface. Three buried pipelines run through the ditch, with the majority of the spill impacting the area between the pipelines. Lucid, then operating the station as Agave Energy Company, had a similar spill that followed the same spill path in 2013. That spill was addressed at the time, but remains open in NMOCD records. The planned mitigation in this work plan is intended to address and close both spills.

2.0 Site Ranking and Land Jurisdiction

Malaga is approximately 9 miles northeast of the release location. The elevation of the release site is approximately 3,296 feet above sea level. After evaluation of the site using aerial photography and topographic maps, depth to groundwater is estimated to be greater than 100 feet below ground surface (bgs). NMOSE data in the area is rather sparse, but most information supports groundwater being greater than 100 feet. One well, C 03262 POD1, shows a depth to water at 75 feet, but its surface elevation is approximately 200 feet below the elevation of the site.

Recommended Remediation Action Levels (RRALs) are determined by the site ranking according to the NMOCD *Guidelines for Remediation of Leaks, Spills, and Releases* (1993). Below in Table 2 are the remediation standards and the site ranking for this location. Justification for this site ranking is found in Figure 1 and Appendix B.

Table 2. Site Ranking

Soil Remediation Standards	0 to 9	10 to 19	>19
Benzene	10 PPM	10 PPM	10 PPM
BTEX	50 PPM	50 PPM	50 PPM
TPH	5000 PPM	1000 PPM	100 PPM

Depth to Groundwater	NMOCD Numeric Rank
< 50 BGS = 20	
50' to 99' = 10	
>100' = 0	0
Distance to Nearest Surface Water	**NMOCD Numeric Rank**
< 200' = 20	
200' - 1000' = 10	
>1000' = 0	0
Well Head Protection	**NMOCD Numeric Rank**
<1000' (or <200' domestic) = 20	
> 1000' = 0	0
Total Site Ranking	**0**

3.0 Release Characterization

On June 9, 2017, after receiving 811 clearance, SMA field personnel assessed the release area. Soil samples were field-screened using an EC meter. Several sample locations were augered by hand and with a backhoe to a maximum depth of 5 feet bgs. Samples were collected to characterize and delineate the release. All samples were collected and processed according to NMOCD soil sampling procedures. The samples were sent under chain-of-custody protocols to Hall Environmental Analysis Laboratory for analysis for BTEX by EPA Method 8021, TPH EPA Method 418.1 and chlorides EPA Method 300.0. Sample locations are depicted on Figure 2. All laboratory results are summarized in Table 3. Laboratory reports are included in Appendix C.

The area on the pad was sampled to a total depth of 4.5 feet, represented by samples L1-L3. Characterization samples indicated that soil near the source area and L1 needed further excavation. Samples L2 and L3 resulted in all contaminants below the RRALs, and further no further excavation was recommended.

Samples L4 and L5 were collected from the pooling area in the ditch and were advanced to 2.5 feet and 3.5 feet respectively. Sample results indicated that TPH exceeded RRALs and further excavation was recommended.

Side wall samples from the area of pooling in the ditch were also collected utilizing the backhoe (SW1, SW2, SW3, and SW4) to define the extent of the impacted area. Each side wall sample was a composite of the excavation wall from the ground level to bedrock (3.5 feet bgs at SW4, 3 feet bgs at SW2 and 4 feet bgs at SW3 and SW1). All side wall samples resulted in contaminants below the RRALs, indicating that the extents in this area had been defined.

4.0 Soil Remediation

With approval from area utilities owners via 811, SMA executed the proposed action of excavation of the impacted soils. The area excavated is shown in Figure 2, and is highlighted in Table 3. Due to safety concerns, the excavation in this area did not come within 3 feet of the buried pipelines.

While waiting for approval of the work plan submitted on July 13, 2017, the excavation described above remained open. After September rain events, the open excavation filled with rainwater. This fluid was removed by vacuum truck and disposed of. On September 14, 2017, the area within the bar ditch was excavated and sampled to bedrock, which occurred at 3.5 feet bgs at L4 and 4 feet bgs at L5. Confirmation samples were collected from L4 and L5; results from L4 indicated further excavation was still necessary, and L5 indicated results below RRALs and no further excavation was necessary. Upon returning to the site on October 11, 2017 to resample, the open excavation was completely flooded again. After hydrovacing for the second time, a closure sample obtained at the final depth of excavation for sample L4.

All contaminated soil was transported for proper disposal at an NMOCD permitted disposal facility. Backfill approval was granted by the State Land Office and the NMOCD on October 18, 2017.

On October 30th, 2017, SMA returned to the site to further delineate the area to be deferred. Additional samples at the source area at 2 feet bgs and L1 at 2 and 3 feet bgs were collected by method of hand-augering. These samples resulted in all contaminants below RRALs, indicating that remaining affected soil is primarily surficial.

5.0 Scope and Limitations

The scope of our services consisted of the performance of assessment sampling, verification of release stabilization, regulatory liaison, and preparation of this work plan. All work has been performed in accordance with generally accepted professional environmental consulting practices for oil and gas releases in the Permian Basin in New Mexico.

If there are any questions regarding this report, please contact either Austin Weyant at 575-689-8801 or Shawna Chubbuck at (970) 565-4465 x1504 .

Submitted by:
SOUDER, MILLER & ASSOCIATES

J. Austin Weyant

Austin Weyant
Project Scientist

Reviewed by:

Shawna Chubbuck

Shawna Chubbuck
Senior Scientist

ATTACHMENTS:

Figures:

Figure 1: Vicinity and Well Head Protection Map
Figure 2: Site and Sample Location Map

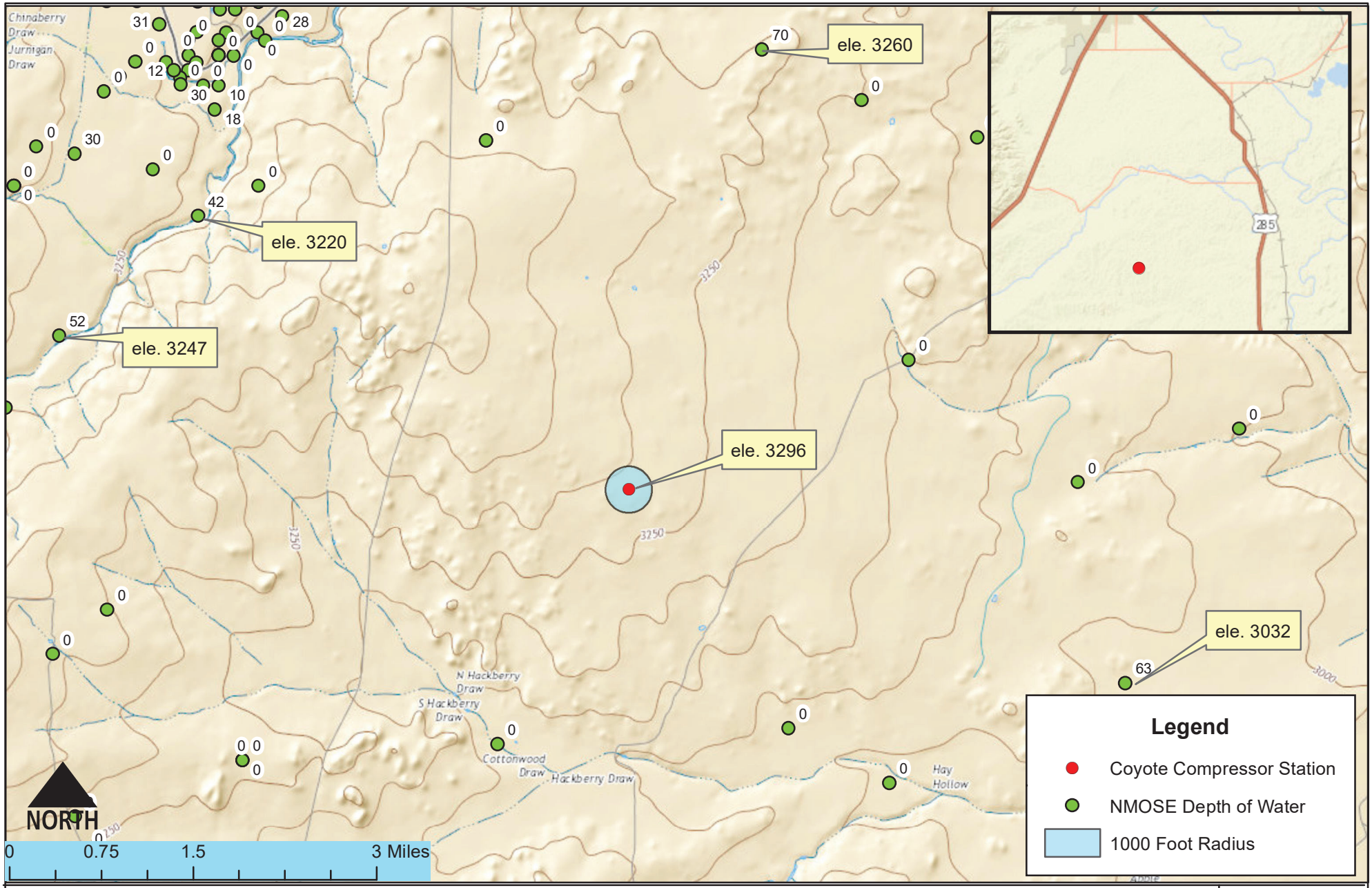
Tables:

Table 3: Summary of Sample Results

Appendices:

Appendix A: Form C141 Initial and Final
Appendix B: NMOSE Wells Report
Appendix C: Laboratory Analytical Reports

FIGURE 1
VICINITY AND NMOSE DATA MAP



Vicinity and NMOSE Wells Map
Coyote Compressor Station - Lucid
C 9-T25S-R27E, New Mexico

Figure 1

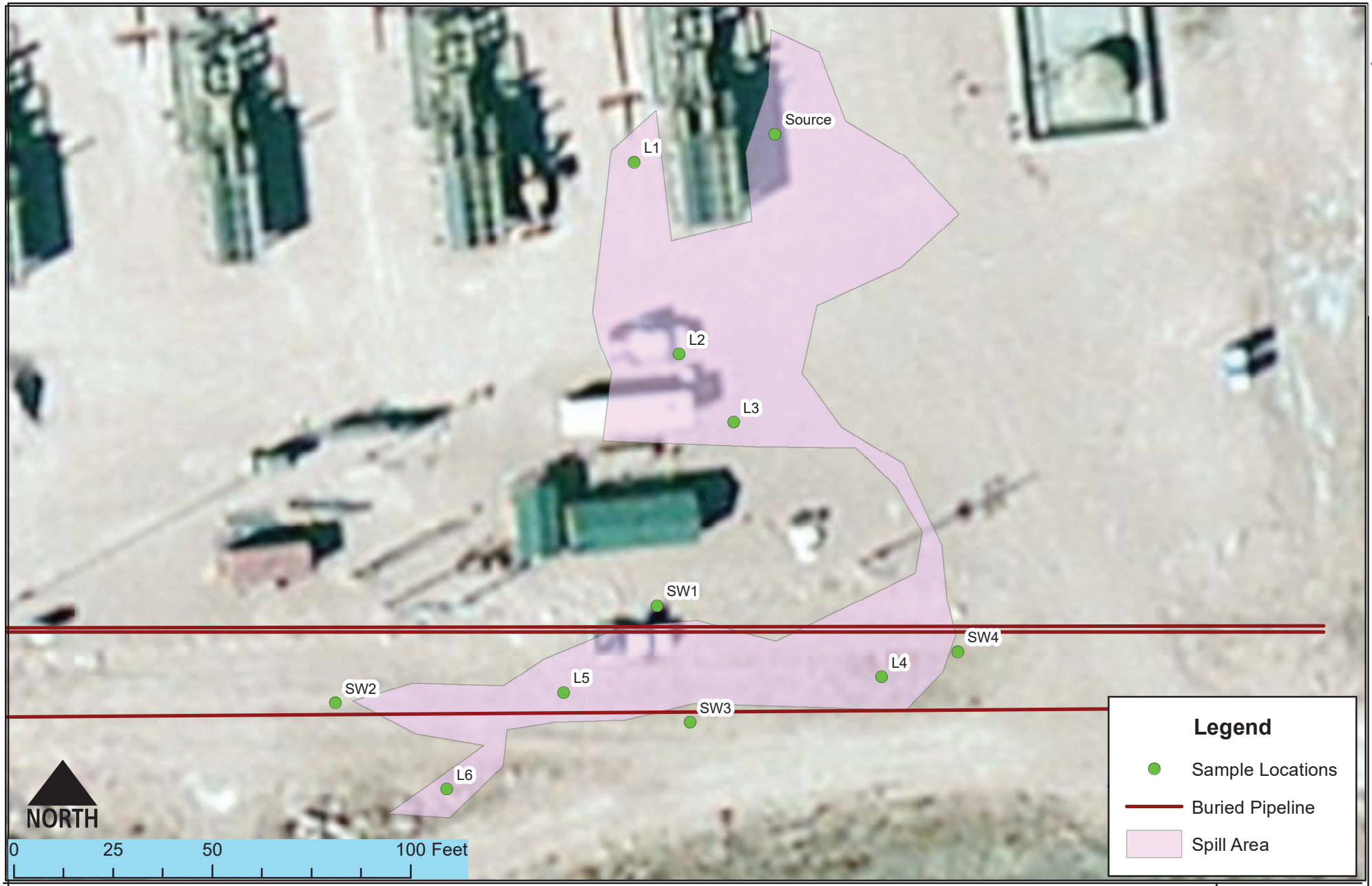
Date Saved: 6/14/2017

Revisions
By: Date: Descr:
By: Date: Descr:

Drawn Heather Patterson
Checked
Approved

SMA
201 South Halaguena Street
Carlsbad, New Mexico 88221
(575) 689-7040
www.soudermiller.com
Serving the Southwest & Rocky Mountains

FIGURE 2
SITE AND SAMPLE LOCATION MAP



Site and Sample Location Map
Coyote Compressor Station - Lucid
C 9-T25S-R27E, New Mexico

Figure 2

Date Saved: 6/19/2017

Revisions
By: Date: Descr:
By: Date: Descr:

Drawn Heather Patterson
Checked
Approved

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201 South Halaguena Street
Carlsbad, New Mexico 88221
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TABLE 3
SUMMARY SAMPLE RESULTS

Coyote Sample Summary Table

Table 3.

Sample Number on Figure 2	Sample Date	Depth (feet bgs)	Proposed Action	BTEX ppm	Benzene mg/Kg	GRO mg/Kg	DRO mg/Kg	MRO mg/Kg	**Total TPH** mg/Kg	Cl- Laboratory mg/Kg
NMOCD RRAL's for Site Ranking 0				50 mg/Kg	10 mg/Kg				5000 mg/Kg	
Source	5/31/2017	0.5	excavated	<0.212	<0.024	<4.7	160	210	370	**5700**
	10/30/2017	2	in-situ	--	--	--	--	--	--	480
L1	6/9/2017	0.5	excavated	<0.216	<0.024				3500	790
	6/9/2017	1	deferred	0.512	<0.023				**11000**	1000
	10/30/2017	2	in-situ	--	--	<5.0	14	120	134	--
	10/30/2017	3	in-situ	--	--	<5.0	<9.1	<45	<59	--
L2	6/9/2017	0.5	excavated	--	--	--	--	--	--	91
	6/9/2017	1	in-situ	--	--	--	--	--	--	130
	6/9/2017	2	in-situ	<0.22	<0.024				21	220
L3	6/9/2017	1	in-situ	--	--	--	--	--	--	55
	6/9/2017	3	in-situ	--	--	--	--	--	--	35
	6/9/2017	4.5	in-situ	--	--				38	49
L4	6/9/2017	0.5	excavated	--	--	--	--	--	--	**4000**
	6/9/2017	1.5	excavated	--	--	--	--	--	--	510
	6/9/2017	2.5	excavated	<0.211	<0.023				4500	720
	9/14/2017	3	excavated	--	--	6.2	3500	2400	**5906.2**	--
	10/16/2017	3.5	in-situ	--	--	<4.7	16	<44	16	--
L5	6/9/2017	0.5	excavated	--	--	--	--	--	--	280
	6/9/2017	2	excavated	--	--	--	--	--	--	73
	6/9/2017	3.5	excavated	5.5	<0.12				**25000**	80
	9/14/2017	4	in-situ	--	--	<4.7	1100	960	2060	--
L6	6/9/2017	0.5	in-situ	<0.216	<0.024				110	830
SW1	6/9/2017	comp	in-situ	<0.211	<0.023				<19	120
SW2	6/9/2017	comp	in-situ	<0.206	<0.024				61	40
SW3	6/9/2017	comp	in-situ	<0.208	<0.024				<19	39
SW4	6/9/2017	comp	in-situ	<0.206	<0.024				42	<30
BG1	6/9/2017	1	in-situ	--	--	--	--	--	--	170
	6/9/2017	2	in-situ	--	--	--	--	--	--	120

exceeds RRAL's

excavated

"--" = Not Analyzed

APPENDIX A
FORM C141 INITIAL AND FINAL

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

nJMW1322640868

OPERATOR

X Initial Report ☐ Final Report

Name of Company AGAVE ENERGY COMPANY 147831	Contact AUSTIN WEYANT
Address 105 SOUTH 4TH STREET ARTESIA, NM	Telephone No. 575 513-8988
Facility Name COYOTE COM[RESSOR STATION	Facility Type COMPRESSOR STATION

Surface Owner	Mineral Owner	API No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	9	25 S	27E					EDDY

Latitude N32.1509 **Longitude** W104.1980

NATURE OF RELEASE

Type of Release CONDENSATE	Volume of Release 200BBL	Volume Recovered 45BBL
Source of Release PRODUCT TANK	Date and Hour of Occurrence	Date and Hour of Discovery
Was Immediate Notice Given? ☐ Yes ☐ No X Not Required	If YES, To Whom? Approx. 8/9/13 per phone call	
By Whom?	Date and Hour	
Was a Watercourse Reached? ☐ Yes X No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

RECEIVED
AUG 13 2013
NMOCD ARTESIA

Describe Cause of Problem and Remedial Action Taken.*

2 inch ball valve failed allowing condensate to flow back through open drain piping and out compressor unit sump. The affected area was bordered with a temporary soil berm while a vacuum truck preformed recovery operations. An emergency 811 was made and clean up started. Check valves have been installed on open drain line to prevent any future backflow.

Describe Area Affected and Cleanup Action Taken.*

Affected area on the station's pad is 100ft X 60ft with a vertical extent of 4-7 inches, a portion of the release flowed off the pad and on to a lease road and bare ditch Affected are is 70ft long by 3ft wide with a vertical extent of 2ft. Affected soil will be removed and hauled off to R360 for disposal and replaced with unaffected top soil. Samples will be pulled from surface down to 4ft Cl, TPH and BTEX will be included in any analysis.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: Austin Weyant

Printed Name: AUSTIN WEYANT

Title: ENG TECH

E-mail Address: aweyant@yatespetroleum.com

Date: 8/13/13 Phone: 575 513-8988

OIL CONSERVATION DIVISION

Approved by Environmental Specialist: Signed By Mike Bratcher

Approval Date: AUG 14 2013 Expiration Date:

Conditions of Approval: Remediation per OCD Rule & Guidelines. **SUBMIT REMEDIATION PROPOSAL NO LATER THAN:** September 14, 2013

Attached ☐

fJMW1322640713 / iJMW1322644052

2RP-1825

NM OIL CONSERVATION
ARTESIA DISTRICT
MAY 25 2017
RECEIVED

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

fAB1714639098
nAB1714639317

Release Notification and Corrective Action

OPERATOR

X Initial Report Final Report

Name of Company: Lucid Energy Delaware 371960	Contact Kerry Egan
Address 326 West Quay Artesia, NM 88210	Telephone No. 575 513-8988
Facility Name: Coyote Compressor Station	Facility Type: Compressor Station

Surface Owner: State of NM	Mineral Owner	API No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	9	25S	27E					EDDY

Latitude 32.1502 **Longitude** -104.1980

NATURE OF RELEASE

Type of Release: Pipeline Liquids	Volume of Release: Estimated 100 bbls of pipeline liquids (condensate/waste water)	Volume Recovered: None
Source of Release: Valve left open, and a malfunctioning check valve failed to prevent flow	Date and Hour of Occurrence: 5/21/2017	Date and Hour of Discovery: 5/21/2017
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Upon notification to Lucid EH&S, an email notification was made to Mike Bratcher on 5/23/2017	
By Whom? Kerry Egan	Date and Hour: 5/23/2017 6:55AM	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

During the early morning of Sunday 5/21/2017 a load of pipeline liquids (condensate/produced water) was being collected at the Coyote Compressor station. A valve was mistakenly left open on the lines connecting the tanks to station dumps and skid drains. The check valve intended to prevent backflow in the line was not properly operating and allowed flow back through the lines, to a compressor unit skid. This backflow overflowed the skids containment.

Upon discovery the valve was shut, what liquid was still in the skid containment was pumped to the tanks. The check valve has been repaired to ensure proper operation. Contractors are being instructed on proper truck loading procedures at the site.

Describe Area Affected and Cleanup Action Taken.*

Once the liquid overflowed the skid containment it ran along the surface of the station pad, toward the south fence line, for approximately 120'. Once it reached the south fence, it pooled in a low-lying spot between the fence and the lease road. The area where pooling occurred appears to be 100' in length by 20' in width.

Preliminary remediaiton has begun inside the station's fence, deeper excavation is pending sample results. A site remediation plan is being prepared and will be submitted after reviewing the initial sampling results.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: Kerry Egan	OIL CONSERVATION DIVISION
Printed Name: Kerry Egan	Signed By: Mike Bratcher Approved by Environmental Specialist:
Title: Environmental Compliance Coordinator	Approval Date: 5/26/17 Expiration Date: N/A
E-mail Address: KEgan@agaveenergy.com	Conditions of Approval: See attached Attached ☒
Date: 5/24/2017 Phone: 575 810-6021	

* Attach Additional Sheets If Necessary

New forms can be found in the New Mexico State Website in forms:
http://www.emnrd.state.nm.us/
OCD/forms.html

2RP-4224

Operator/Responsible Party,

The OCD has received the form C-141 you provided on 5/25/17 regarding an unauthorized release. The information contained on that form has been entered into our incident database and remediation case number 2RP-4224 has been assigned. **Please refer to this case number in all future correspondence.**

It is the Division's obligation under both the Oil & Gas Act and Water Quality Act to provide for the protection of public health and the environment. Our regulations (19.15.29.11 NMAC) state the following,

> *The responsible person shall complete division-approved corrective action for releases that endanger public health or the environment. The responsible person shall address releases in accordance with a remediation plan submitted to and approved by the division or with an abatement plan submitted in accordance with 19.15.30 NMAC.* [emphasis added]

Release characterization is the first phase of corrective action unless the release is ongoing or is of limited volume and all impacts can be immediately addressed. Proper and cost-effective remediation typically cannot occur without adequate characterization of the impacts of any release. Furthermore, the Division has the ability to impose reasonable conditions upon the efforts it oversees. **As such, the Division is requiring a workplan for the characterization of impacts associated with this release be submitted to the OCD District 2 office in ARTESIA on or before 6/25/17. If and when the release characterization workplan is approved, there will be an associated deadline for submittal of the resultant investigation report. Modest extensions of time to these deadlines may be granted, but only with acceptable justification.**

The goals of a characterization effort are: 1) determination of the lateral and vertical extents along with the magnitude of soil contamination. 2) determine if groundwater or surface waters have been impacted. 3) If groundwater or surface waters have been impacted, what are the extents and magnitude of that impact. 4) The characterization of any other adverse impacts that may have occurred (examples: impacts on vegetation, impacts on wildlife, air quality, loss of use of property, etc.). To meet these goals as quickly as possible, the following items must, at a minimum, be addressed in the release characterization workplan and subsequent reporting:

- Horizontal delineation of soil impacts in each of the four cardinal compass directions. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C_6 thru C_{36}), and for chloride by Method 300. This is not an exclusive list of potential contaminants. Analyzed parameters should be modified based on the nature of the released substance(s). Soil sampling must be both within the impacted area and beyond.

- Vertical delineation of soil impacts. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C_6 thru C_{36}), and for chloride by Method 300. As above, this is not an exclusive list of potential contaminants and can be modified. Vertical characterization samples should be taken at depth intervals no greater than five feet apart. Lithologic description of encountered soils must also be provided. At least ten vertical feet of soils with contaminant concentrations at or below these values must be demonstrated as existing above the water table.

- Nominal detection limits for field and laboratory analyses must be provided.

- Composite sampling is not generally allowed.

- Field screening and assessment techniques are acceptable (headspace, titration, EC [include algorithm for validation purposes], EM, etc.), but the sampling and assay procedures must be clearly defined. Copies of field notes are highly desirable. A statistically significant set of split samples must be submitted for confirmatory laboratory analysis, including the laterally farthest and vertically deepest sets of soil samples. Make sure there are at least two soil samples submitted

for laboratory analysis from each borehole or test pit (highest observed contamination and deepest depth investigated). Copies of the actual laboratory results must be provided including chain of custody documentation.

•Probable depth to shallowest protectable groundwater and lateral distance to nearest surface water. If there is an estimate of groundwater depth, the information used to arrive at that estimate must be provided. If there is a reasonable assumption that the depth to protectable water is 50 feet or less, the responsible party should anticipate the need for at least one groundwater monitoring well to be installed in the area of likely maximum contamination.

• If groundwater contamination is encountered, an additional investigation workplan may be required to determine the extents of that contamination. Groundwater and/or surface water samples, if any, must be analyzed by a competent laboratory for volatile organic hydrocarbons (typically Method 8260 full list), total dissolved solids, pH, major anions and cations including chloride and sulfate, dissolved iron, and dissolved manganese. The investigation workplan must provide the groundwater sampling method(s) and sample handling protocols. To the fullest extent possible, aqueous analyses must be undertaken using nominal method detection limits. As with the soil analyses, copies of the actual laboratory results must be provided including chain of custody documentation.

• Accurately scaled and well-drafted site maps must be provided providing the location of borings, test pits, monitoring wells, potentially impacted areas, and significant surface features including roads and site infrastructure that might limit either the release characterization or remedial efforts. Field sketches may be included in subsequent reporting, but should not be considered stand-alone documentation of the site's layout. Digital photographic documentation of the location and fieldwork is recommended, especially if unusual circumstances are encountered.

Nothing herein should be interpreted to preclude emergency response actions or to imply immediate remediation by removal cannot proceed as warranted. Nonetheless, characterization of impacts and confirmation of the effectiveness of remedial efforts must still be provided to the OCD before any release incident will be closed.

Jim Griswold
OCD Environmental Bureau Chief
1220 South St. Francis Drive
Santa Fe, New Mexico 87505
505-476-3465
jim.griswold@state.nm.us

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised April 3, 2017

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: Lucid Energy Delaware	Contact: Kerry Egan
Address: 105 South 4th Street, Artesia, NM	Telephone No.: 575-513-8988
Facility Name: Coyote Compressor Station	Facility Type: Compressor Station

Surface Owner: State of NM	Mineral Owner	API No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	9	25 S	27 E					EDDY

Latitude: 32.1502 **Longitude:** -104.1980 NAD83

NATURE OF RELEASE

Type of Release: Pipeline Fluids	Volume of Release: Estimated 100BBLs of pipeline fluids (condensate/waste water)	Volume Recovered: None
Source of Release: Valve left open, and a malfunctioning check valve failed to prevent flow	Date and Hour of Occurrence 5/21/2017	Date and Hour of Discovery 5/21/2017
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Upon notification to Lucid EH&S, an email notification was made to Mike Bratcher on 5/23/2017	
By Whom? Kerry Egan	Date and Hour: 5/23/2017 6:55AM	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
During the early morning of Sunday 5/21/2017 a load of pipeline liquids (condensate/produced water) was being collected at the Coyote Compressor station. A valve was mistakenly left open on the lines connecting the tanks to station dumps and skid drains. The check valve intended to prevent backflow in the line was not properly operating and allowed flow back through the lines, to a compressor unit skid. This backflow overflowed the skids containment. Upon discovery the valve was shut, what liquid was still in the skid containment was pumped to the tanks. The check valve has been repaired to ensure proper operation. Contractors are being instructed on proper truck loading procedures at the site.

Describe Area Affected and Cleanup Action Taken.*
Once the liquid overflowed the skid containment it ran along the surface of the station pad, toward the south fence line, for approximately 120'. Once it reached the south fence, it pooled in a low-lying spot between the fence and the lease road. The area where pooling occurred appears to be 100' in length by 20' in width. Remediation was done as per an NMOCD approved work plan which included excavation of affected soils followed by an approved backfill request.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: Kerry Egan Printed Name: Kerry Egan	OIL CONSERVATION DIVISION Approved by Environmental Specialist:	
Title: Environmental Compliance Coordinator	Approval Date:	Expiration Date:
E-mail Address: Kegan@lucid-energy.com Date: 10/31/17 Phone: 575-513-8988	Conditions of Approval:	Attached ☐

* Attach Additional Sheets If Necessary

2RP4224

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

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Release Notification and Corrective Action

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☐ Initial Report ☒ Final Report

Name of Company: Lucid Energy Delaware	Contact: Kerry Egan
Address: 105 South 4th Street, Artesia, NM	Telephone No.: 575-513-8988
Facility Name: Coyote Compressor Station	Facility Type: Compressor Station

Surface Owner: State of NM	Mineral Owner	API No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	9	25 S	27 E					EDDY

Latitude: 32.1502 **Longitude:** -104.1980 NAD83

NATURE OF RELEASE

Type of Release: Condensate	Volume of Release: 200BBL	Volume Recovered: 45BBL
Source of Release: Product Tank	Date and Hour of Occurrence	Date and Hour of Discovery
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Approx. 8/9/13 per phone call	
By Whom?	Date and Hour	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

2 inch ball valve failed allowing condensate to flow back through open drain piping and out compressor unit sump. The affected area was bordered with a temporary soil berm while a vacuum truck preformed recovery operations. An emergency 811 was made and clean up started. Check valves have been installed on open drain line to prevent any future backflow

Describe Area Affected and Cleanup Action Taken.*

Affected area on the station's pad is 100ft X 60ft with a vertical extent of 4-7 inches, a portion of the release flowed off the pad and on to a lease road and bare ditch. Affected area is 70ft long by 3ft wide with a vertical extent of 2ft. Affected soil was removed and hauled off to R360 for disposal and replaced with unaffected top soil

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: Kerry Egan	OIL CONSERVATION DIVISION	
Printed Name: Kerry Egan	Approved by Environmental Specialist:	
Title: Environmental Compliance Coordinator	Approval Date:	Expiration Date:
E-mail Address: Kegan@lucid-energy.com	Conditions of Approval:	Attached ☐
Date: 10/31/17 Phone: 575-513-8988		

* Attach Additional Sheets If Necessary

2RP1825

APPENDIX B
NMOSE WELLS REPORT

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	POD Sub-basin Code	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 03261 POD1		ED	3	2	1	20	25S	27E	574007	3554006*	3746	351		
C 03262 POD1	C	ED	2	1	2	22	25S	27E	577837	3554244*	3768	75		
C 03264 POD1	C	ED	2	1	2	02	25S	27E	579391	3559099*	4084			
C 01841	C	ED			1	29	24S	27E	573806	3561953*	4979	150		
C 03263 POD1	C	ED	1	1	1	07	25S	28E	581628	3557501*	5929	133		
C 01452	C	ED				22	24S	27E	577435	3563175*	6079	95	70	25
C 03654 POD1	CUB	ED	2	3	1	24	25S	26E	570654	3553773	6184			
C 01721	C	ED			1	25	24S	27E	580271	3562033*	6545	170		
C 00819	C	ED		4	4	26	24S	26E	570022	3560935*	6716	62	42	20
C 02221	CUB	ED	4	3	2	25	25S	26E	571412	3551961*	6885	35		

Average Depth to Water: **56 feet**
Minimum Depth: **42 feet**
Maximum Depth: **70 feet**

Record Count: 10

UTMNAD83 Radius Search (in meters):

Easting (X): 575700.33 **Northing (Y):** 3557348.29 **Radius:** 7000

***UTM location was derived from PLSS - see Help**

APPENDIX C

LABORATORY ANALYTICAL REPORTS

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

June 16, 2017

Austin Weyant
Souder, Miller & Associates
201 S Halagueno
Carlsbad, NM 88221
TEL: (575) 689-7040
FAX

RE: Coyote OrderNo.: 1706251

Dear Austin Weyant:

Hall Environmental Analysis Laboratory received 1 sample(s) on 6/6/2017 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **1706251**
Date Reported: **6/16/2017**

CLIENT: Souder, Miller & Associates
Client Sample ID: L 1-0.5 (Source)
Project: Coyote
Collection Date: 5/31/2017
Lab ID: 1706251-001 **Matrix:** SOIL **Received Date:** 6/6/2017 10:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	5700	300		mg/Kg	200	6/12/2017 5:00:22 PM	32211
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	160	9.9		mg/Kg	1	6/8/2017 1:47:05 PM	32152
Motor Oil Range Organics (MRO)	210	50		mg/Kg	1	6/8/2017 1:47:05 PM	32152
Surr: DNOP	93.6	70-130		%Rec	1	6/8/2017 1:47:05 PM	32152
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/7/2017 9:11:27 PM	32141
Surr: BFB	97.2	54-150		%Rec	1	6/7/2017 9:11:27 PM	32141
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Methyl tert-butyl ether (MTBE)	ND	0.094		mg/Kg	1	6/7/2017 9:11:27 PM	32141
Benzene	ND	0.024		mg/Kg	1	6/7/2017 9:11:27 PM	32141
Toluene	ND	0.047		mg/Kg	1	6/7/2017 9:11:27 PM	32141
Ethylbenzene	ND	0.047		mg/Kg	1	6/7/2017 9:11:27 PM	32141
Xylenes, Total	ND	0.094		mg/Kg	1	6/7/2017 9:11:27 PM	32141
Surr: 4-Bromofluorobenzene	119	66.6-132		%Rec	1	6/7/2017 9:11:27 PM	32141

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1706251**

16-Jun-17

Client: Souder, Miller & Associates

Project: Coyote

Sample ID	**MB-32211**	SampType:	**MBLK**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBS**	Batch ID:	**32211**	RunNo:	**43415**					
Prep Date:	**6/9/2017**	Analysis Date:	**6/9/2017**	SeqNo:	**1366812**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	**LCS-32211**	SampType:	**LCS**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**LCSS**	Batch ID:	**32211**	RunNo:	**43415**					
Prep Date:	**6/9/2017**	Analysis Date:	**6/9/2017**	SeqNo:	**1366813**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.8	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1706251**

16-Jun-17

Client: Souder, Miller & Associates

Project: Coyote

Sample ID	**LCS-32152**	SampType:	**LCS**		TestCode:	**EPA Method 8015M/D: Diesel Range Organics**				
Client ID:	**LCSS**	Batch ID:	**32152**		RunNo:	**43341**				
Prep Date:	**6/7/2017**	Analysis Date:	**6/8/2017**		SeqNo:	**1364955**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	10	50.00	0	84.3	73.2	114			
Surr: DNOP	4.0		5.000		81.0	70	130			

Sample ID	**MB-32152**	SampType:	**MBLK**		TestCode:	**EPA Method 8015M/D: Diesel Range Organics**				
Client ID:	**PBS**	Batch ID:	**32152**		RunNo:	**43341**				
Prep Date:	**6/7/2017**	Analysis Date:	**6/8/2017**		SeqNo:	**1364956**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.0		10.00		90.2	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1706251**

16-Jun-17

Client: Souder, Miller & Associates

Project: Coyote

Sample ID	**MB-32141**	SampType:	**MBLK**	TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**PBS**	Batch ID:	**32141**	RunNo:	**43317**					
Prep Date:	**6/6/2017**	Analysis Date:	**6/7/2017**	SeqNo:	**1364057**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		101	54	150			

Sample ID	**LCS-32141**	SampType:	**LCS**	TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**LCSS**	Batch ID:	**32141**	RunNo:	**43317**					
Prep Date:	**6/6/2017**	Analysis Date:	**6/7/2017**	SeqNo:	**1364058**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	103	76.4	125			
Surr: BFB	1100		1000		106	54	150			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1706251**

16-Jun-17

Client: Souder, Miller & Associates

Project: Coyote

Sample ID	**MB-32141**	SampType:	**MBLK**	TestCode:	**EPA Method 8021B: Volatiles**					
Client ID:	**PBS**	Batch ID:	**32141**	RunNo:	**43317**					
Prep Date:	**6/6/2017**	Analysis Date:	**6/7/2017**	SeqNo:	**1364078**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	ND	0.10								
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.3		1.000		126	66.6	132			

Sample ID	**LCS-32141**	SampType:	**LCS**	TestCode:	**EPA Method 8021B: Volatiles**					
Client ID:	**LCSS**	Batch ID:	**32141**	RunNo:	**43317**					
Prep Date:	**6/6/2017**	Analysis Date:	**6/7/2017**	SeqNo:	**1364079**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	1.0	0.10	1.000	0	101	66.5	120			
Benzene	1.1	0.025	1.000	0	105	80	120			
Toluene	1.1	0.050	1.000	0	106	80	120			
Ethylbenzene	1.1	0.050	1.000	0	106	80	120			
Xylenes, Total	3.2	0.10	3.000	0	107	80	120			
Surr: 4-Bromofluorobenzene	1.2		1.000		124	66.6	132			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
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RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: SMA-CARLSBAD Work Order Number: 1706251 RcptNo: 1

Received By: **Richie Eriacho** 6/6/2017 10:15:00 AM

Completed By: **Ashley Gallegos** 6/6/2017 12:48:39 PM

Reviewed By: AG 06/06/17

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	Courier		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☐	No ☐	No VOA Vials ☑
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	Adjusted? _____
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.6	Good	Yes			

Chain-of-Custody Record

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Client: SMA
Mailing Address:
Phone #:
email or Fax#:
QA/QC Package: ☐ Standard ☐ Level 4 (Full Validation)
Accreditation: ☐ NELAP ☐ Other
☐ EDD (Type)

Turn-Around Time: ☒ Standard ☐ Rush
Project Name: Coyote
Project #:
Project Manager: Austin Weyant
Sampler:
On Ice: ☒ Yes ☐ No
Sample Temperature: 2.6°C

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1706250	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F,Cl,NO$_3$,NO$_2$,PO$_4$,SO$_4$)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)					Air Bubbles (Y or N)
5/31/17		Soil	L1 - 0.5 (source)			-001	X		X					X								
		[illegible]																				

Date	Time	Relinquished by	Received by	Date	Time
6/5/17	1400	[signature]	[signature]	6/5/17	1400
6/5/17	1900	[signature]	[signature]	6/6/17	1015

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

June 15, 2017

Austin Weyant
Souder, Miller & Associates
201 S Halagueno
Carlsbad, NM 88221
TEL: (575) 689-7040
FAX

RE: Lucid Coyote OrderNo.: 1706645

Dear Austin Weyant:

Hall Environmental Analysis Laboratory received 21 sample(s) on 6/13/2017 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1706645**
Date Reported: **6/15/2017**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Project: Lucid Coyote
Lab ID: 1706645-001 **Matrix:** SOIL

Client Sample ID: L1-0.5
Collection Date: 6/9/2017 9:00:00 AM
Received Date: 6/13/2017 9:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH						Analyst: **MAB**	
Petroleum Hydrocarbons, TR	3500	200		mg/Kg	10	6/15/2017	32267
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	790	30		mg/Kg	20	6/14/2017 11:42:44 AM	32282
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Methyl tert-butyl ether (MTBE)	ND	0.096		mg/Kg	1	6/14/2017 11:29:43 AM	32244
Benzene	ND	0.024		mg/Kg	1	6/14/2017 11:29:43 AM	32244
Toluene	ND	0.048		mg/Kg	1	6/14/2017 11:29:43 AM	32244
Ethylbenzene	ND	0.048		mg/Kg	1	6/14/2017 11:29:43 AM	32244
Xylenes, Total	ND	0.096		mg/Kg	1	6/14/2017 11:29:43 AM	32244
Surr: 4-Bromofluorobenzene	111	66.6-132		%Rec	1	6/14/2017 11:29:43 AM	32244

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report
Lab Order **1706645**
Date Reported: **6/15/2017**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Client Sample ID: L1-1
Project: Lucid Coyote
Collection Date: 6/9/2017 9:15:00 AM
Lab ID: 1706645-002 **Matrix:** SOIL **Received Date:** 6/13/2017 9:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH						Analyst: **MAB**	
Petroleum Hydrocarbons, TR	11000	1900		mg/Kg	100	6/15/2017	32267
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	1000	30		mg/Kg	20	6/14/2017 12:44:47 PM	32282
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Methyl tert-butyl ether (MTBE)	ND	0.092		mg/Kg	1	6/14/2017 11:53:34 AM	32244
Benzene	ND	0.023		mg/Kg	1	6/14/2017 11:53:34 AM	32244
Toluene	0.052	0.046		mg/Kg	1	6/14/2017 11:53:34 AM	32244
Ethylbenzene	ND	0.046		mg/Kg	1	6/14/2017 11:53:34 AM	32244
Xylenes, Total	0.46	0.092		mg/Kg	1	6/14/2017 11:53:34 AM	32244
Surr: 4-Bromofluorobenzene	136	66.6-132	S	%Rec	1	6/14/2017 11:53:34 AM	32244

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report
Lab Order **1706645**
Date Reported: **6/15/2017**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Project: Lucid Coyote
Lab ID: 1706645-003 **Matrix:** SOIL

Client Sample ID: L2-0.5
Collection Date: 6/9/2017 12:00:00 PM
Received Date: 6/13/2017 9:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	91	30		mg/Kg	20	6/14/2017 1:22:01 PM	32282

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report
Lab Order **1706645**
Date Reported: **6/15/2017**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Client Sample ID: L2-1
Project: Lucid Coyote
Collection Date: 6/9/2017 12:15:00 PM
Lab ID: 1706645-004 **Matrix:** SOIL **Received Date:** 6/13/2017 9:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	130	30		mg/Kg	20	6/14/2017 1:34:25 PM	32282

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report
Lab Order **1706645**
Date Reported: **6/15/2017**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Project: Lucid Coyote
Lab ID: 1706645-005 **Matrix:** SOIL

Client Sample ID: L2-2
Collection Date: 6/9/2017 12:30:00 PM
Received Date: 6/13/2017 9:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH						Analyst: **MAB**	
Petroleum Hydrocarbons, TR	21	20		mg/Kg	1	6/15/2017	32267
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	220	30		mg/Kg	20	6/14/2017 1:46:50 PM	32282
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Methyl tert-butyl ether (MTBE)	ND	0.098		mg/Kg	1	6/14/2017 12:17:14 PM	32244
Benzene	ND	0.024		mg/Kg	1	6/14/2017 12:17:14 PM	32244
Toluene	ND	0.049		mg/Kg	1	6/14/2017 12:17:14 PM	32244
Ethylbenzene	ND	0.049		mg/Kg	1	6/14/2017 12:17:14 PM	32244
Xylenes, Total	ND	0.098		mg/Kg	1	6/14/2017 12:17:14 PM	32244
Surr: 4-Bromofluorobenzene	109	66.6-132		%Rec	1	6/14/2017 12:17:14 PM	32244

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report
Lab Order **1706645**
Date Reported: **6/15/2017**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Project: Lucid Coyote
Lab ID: 1706645-006 **Matrix:** SOIL

Client Sample ID: L3-1
Collection Date: 6/9/2017 1:15:00 PM
Received Date: 6/13/2017 9:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	55	30		mg/Kg	20	6/14/2017 1:59:15 PM	32282

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report
Lab Order **1706645**
Date Reported: **6/15/2017**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Client Sample ID: L3-3
Project: Lucid Coyote
Collection Date: 6/9/2017 1:00:00 PM
Lab ID: 1706645-007 **Matrix:** SOIL **Received Date:** 6/13/2017 9:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	35	30		mg/Kg	20	6/14/2017 2:11:39 PM	32282

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report
Lab Order **1706645**
Date Reported: **6/15/2017**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Project: Lucid Coyote
Lab ID: 1706645-008 **Matrix:** SOIL

Client Sample ID: L3-4.5
Collection Date: 6/9/2017 1:20:00 PM
Received Date: 6/13/2017 9:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH						Analyst: **MAB**	
Petroleum Hydrocarbons, TR	38	19		mg/Kg	1	6/15/2017	32267
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	49	30		mg/Kg	20	6/14/2017 12:58:02 PM	32285

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report
Lab Order **1706645**
Date Reported: **6/15/2017**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Client Sample ID: L4-0.5
Project: Lucid Coyote
Collection Date: 6/9/2017 1:30:00 PM
Lab ID: 1706645-009 **Matrix:** SOIL **Received Date:** 6/13/2017 9:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	4000	150		mg/Kg	100	6/14/2017 8:51:45 PM	32282

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report
Lab Order **1706645**
Date Reported: **6/15/2017**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Project: Lucid Coyote
Lab ID: 1706645-010 **Matrix:** SOIL

Client Sample ID: L4-.5
Collection Date: 6/9/2017 11:00:00 AM
Received Date: 6/13/2017 9:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	510	30		mg/Kg	20	6/14/2017 2:36:29 PM	32282

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report
Lab Order **1706645**
Date Reported: **6/15/2017**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Project: Lucid Coyote
Lab ID: 1706645-011 **Matrix:** SOIL

Client Sample ID: L4-2.5
Collection Date: 6/9/2017 11:00:00 AM
Received Date: 6/13/2017 9:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH						Analyst: **MAB**	
Petroleum Hydrocarbons, TR	4500	1900		mg/Kg	100	6/15/2017	32267
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	720	30		mg/Kg	20	6/14/2017 3:13:43 PM	32282
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Methyl tert-butyl ether (MTBE)	ND	0.094		mg/Kg	1	6/14/2017 12:40:50 PM	32244
Benzene	ND	0.023		mg/Kg	1	6/14/2017 12:40:50 PM	32244
Toluene	ND	0.047		mg/Kg	1	6/14/2017 12:40:50 PM	32244
Ethylbenzene	ND	0.047		mg/Kg	1	6/14/2017 12:40:50 PM	32244
Xylenes, Total	ND	0.094		mg/Kg	1	6/14/2017 12:40:50 PM	32244
Surr: 4-Bromofluorobenzene	117	66.6-132		%Rec	1	6/14/2017 12:40:50 PM	32244

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report
Lab Order **1706645**
Date Reported: **6/15/2017**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Project: Lucid Coyote
Lab ID: 1706645-012 **Matrix:** SOIL

Client Sample ID: L5-0.5
Collection Date: 6/9/2017 2:00:00 PM
Received Date: 6/13/2017 9:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	280	30		mg/Kg	20	6/14/2017 3:26:08 PM	32282

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report
Lab Order **1706645**
Date Reported: **6/15/2017**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Client Sample ID: L5-2
Project: Lucid Coyote
Collection Date: 6/9/2017 1:30:00 PM
Lab ID: 1706645-013 **Matrix:** SOIL **Received Date:** 6/13/2017 9:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	73	30		mg/Kg	20	6/14/2017 8:02:06 PM	32282

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report
Lab Order **1706645**
Date Reported: **6/15/2017**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Project: Lucid Coyote
Lab ID: 1706645-014 **Matrix:** SOIL

Client Sample ID: L5-3.5
Collection Date: 6/9/2017 1:45:00 PM
Received Date: 6/13/2017 9:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH						Analyst: **MAB**	
Petroleum Hydrocarbons, TR	25000	1900		mg/Kg	100	6/15/2017	32267
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	80	30		mg/Kg	20	6/14/2017 8:14:30 PM	32282
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Methyl tert-butyl ether (MTBE)	ND	0.48		mg/Kg	5	6/14/2017 1:04:27 PM	32244
Benzene	ND	0.12		mg/Kg	5	6/14/2017 1:04:27 PM	32244
Toluene	ND	0.24		mg/Kg	5	6/14/2017 1:04:27 PM	32244
Ethylbenzene	ND	0.24		mg/Kg	5	6/14/2017 1:04:27 PM	32244
Xylenes, Total	5.5	0.48		mg/Kg	5	6/14/2017 1:04:27 PM	32244
Surr: 4-Bromofluorobenzene	140	66.6-132	S	%Rec	5	6/14/2017 1:04:27 PM	32244

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report
Lab Order **1706645**
Date Reported: **6/15/2017**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Project: Lucid Coyote
Lab ID: 1706645-015 **Matrix:** SOIL

Client Sample ID: L6-0.5
Collection Date: 6/9/2017 11:10:00 AM
Received Date: 6/13/2017 9:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH						Analyst: **MAB**	
Petroleum Hydrocarbons, TR	110	20		mg/Kg	1	6/15/2017	32267
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	830	30		mg/Kg	20	6/14/2017 8:26:55 PM	32282
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Methyl tert-butyl ether (MTBE)	ND	0.096		mg/Kg	1	6/14/2017 1:51:43 PM	32244
Benzene	ND	0.024		mg/Kg	1	6/14/2017 1:51:43 PM	32244
Toluene	ND	0.048		mg/Kg	1	6/14/2017 1:51:43 PM	32244
Ethylbenzene	ND	0.048		mg/Kg	1	6/14/2017 1:51:43 PM	32244
Xylenes, Total	ND	0.096		mg/Kg	1	6/14/2017 1:51:43 PM	32244
Surr: 4-Bromofluorobenzene	110	66.6-132		%Rec	1	6/14/2017 1:51:43 PM	32244

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report
Lab Order **1706645**
Date Reported: **6/15/2017**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Project: Lucid Coyote
Lab ID: 1706645-016 **Matrix:** SOIL

Client Sample ID: SW1
Collection Date: 6/9/2017 2:00:00 PM
Received Date: 6/13/2017 9:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH						Analyst: **MAB**	
Petroleum Hydrocarbons, TR	ND	19		mg/Kg	1	6/15/2017	32267
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	120	30		mg/Kg	20	6/14/2017 8:39:20 PM	32282
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Methyl tert-butyl ether (MTBE)	ND	0.094		mg/Kg	1	6/14/2017 6:11:55 PM	32244
Benzene	ND	0.023		mg/Kg	1	6/14/2017 6:11:55 PM	32244
Toluene	ND	0.047		mg/Kg	1	6/14/2017 6:11:55 PM	32244
Ethylbenzene	ND	0.047		mg/Kg	1	6/14/2017 6:11:55 PM	32244
Xylenes, Total	ND	0.094		mg/Kg	1	6/14/2017 6:11:55 PM	32244
Surr: 4-Bromofluorobenzene	113	66.6-132		%Rec	1	6/14/2017 6:11:55 PM	32244

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report
Lab Order **1706645**
Date Reported: **6/15/2017**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Client Sample ID: SW2
Project: Lucid Coyote
Collection Date: 6/9/2017 2:30:00 PM
Lab ID: 1706645-017 **Matrix:** SOIL **Received Date:** 6/13/2017 9:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH						Analyst: **MAB**	
Petroleum Hydrocarbons, TR	61	19		mg/Kg	1	6/15/2017	32267
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	40	30		mg/Kg	20	6/14/2017 1:35:16 PM	32285
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Methyl tert-butyl ether (MTBE)	ND	0.096		mg/Kg	1	6/14/2017 6:35:33 PM	32244
Benzene	ND	0.024		mg/Kg	1	6/14/2017 6:35:33 PM	32244
Toluene	ND	0.048		mg/Kg	1	6/14/2017 6:35:33 PM	32244
Ethylbenzene	ND	0.048		mg/Kg	1	6/14/2017 6:35:33 PM	32244
Xylenes, Total	ND	0.096		mg/Kg	1	6/14/2017 6:35:33 PM	32244
Surr: 4-Bromofluorobenzene	112	66.6-132		%Rec	1	6/14/2017 6:35:33 PM	32244

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report
Lab Order **1706645**
Date Reported: **6/15/2017**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Client Sample ID: SW3
Project: Lucid Coyote
Collection Date: 6/9/2017 2:45:00 PM
Lab ID: 1706645-018 **Matrix:** SOIL **Received Date:** 6/13/2017 9:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH						Analyst: **MAB**	
Petroleum Hydrocarbons, TR	ND	19		mg/Kg	1	6/15/2017	32267
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	39	30		mg/Kg	20	6/14/2017 1:47:41 PM	32285
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Methyl tert-butyl ether (MTBE)	ND	0.097		mg/Kg	1	6/14/2017 6:59:13 PM	32244
Benzene	ND	0.024		mg/Kg	1	6/14/2017 6:59:13 PM	32244
Toluene	ND	0.048		mg/Kg	1	6/14/2017 6:59:13 PM	32244
Ethylbenzene	ND	0.048		mg/Kg	1	6/14/2017 6:59:13 PM	32244
Xylenes, Total	ND	0.097		mg/Kg	1	6/14/2017 6:59:13 PM	32244
Surr: 4-Bromofluorobenzene	113	66.6-132		%Rec	1	6/14/2017 6:59:13 PM	32244

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report
Lab Order **1706645**
Date Reported: **6/15/2017**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Client Sample ID: SW4
Project: Lucid Coyote
Collection Date: 6/9/2017 3:15:00 PM
Lab ID: 1706645-019 **Matrix:** SOIL **Received Date:** 6/13/2017 9:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH						Analyst: **MAB**	
Petroleum Hydrocarbons, TR	42	20		mg/Kg	1	6/15/2017	32267
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	ND	30		mg/Kg	20	6/14/2017 2:00:05 PM	32285
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Methyl tert-butyl ether (MTBE)	ND	0.095		mg/Kg	1	6/14/2017 7:22:46 PM	32244
Benzene	ND	0.024		mg/Kg	1	6/14/2017 7:22:46 PM	32244
Toluene	ND	0.048		mg/Kg	1	6/14/2017 7:22:46 PM	32244
Ethylbenzene	ND	0.048		mg/Kg	1	6/14/2017 7:22:46 PM	32244
Xylenes, Total	ND	0.095		mg/Kg	1	6/14/2017 7:22:46 PM	32244
Surr: 4-Bromofluorobenzene	110	66.6-132		%Rec	1	6/14/2017 7:22:46 PM	32244

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report
Lab Order **1706645**
Date Reported: **6/15/2017**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Client Sample ID: BG1-1
Project: Lucid Coyote
Collection Date: 6/9/2017 2:45:00 PM
Lab ID: 1706645-020 **Matrix:** SOIL **Received Date:** 6/13/2017 9:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	170	30		mg/Kg	20	6/14/2017 2:37:18 PM	32285

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report
Lab Order **1706645**
Date Reported: **6/15/2017**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Client Sample ID: BG1-2
Project: Lucid Coyote
Collection Date: 6/9/2017 2:50:00 PM
Lab ID: 1706645-021 **Matrix:** SOIL **Received Date:** 6/13/2017 9:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	120	30		mg/Kg	20	6/13/2017 11:45:17 PM	32261

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1706645**

15-Jun-17

Client: Souder, Miller & Associates

Project: Lucid Coyote

Sample ID	**MB-32261**	SampType:	**MBLK**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBS**	Batch ID:	**32261**	RunNo:	**43495**					
Prep Date:	**6/13/2017**	Analysis Date:	**6/13/2017**	SeqNo:	**1369763**	Units:	**mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	**LCS-32261**	SampType:	**LCS**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**LCSS**	Batch ID:	**32261**	RunNo:	**43495**					
Prep Date:	**6/13/2017**	Analysis Date:	**6/13/2017**	SeqNo:	**1369764**	Units:	**mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.7	90	110			

Sample ID	**MB-32285**	SampType:	**MBLK**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBS**	Batch ID:	**32285**	RunNo:	**43507**					
Prep Date:	**6/14/2017**	Analysis Date:	**6/14/2017**	SeqNo:	**1370245**	Units:	**mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	**LCS-32285**	SampType:	**LCS**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**LCSS**	Batch ID:	**32285**	RunNo:	**43507**					
Prep Date:	**6/14/2017**	Analysis Date:	**6/14/2017**	SeqNo:	**1370246**	Units:	**mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.6	90	110			

Sample ID	**MB-32282**	SampType:	**mblk**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBS**	Batch ID:	**32282**	RunNo:	**43485**					
Prep Date:	**6/14/2017**	Analysis Date:	**6/14/2017**	SeqNo:	**1370344**	Units:	**mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	**LCS-32282**	SampType:	**lcs**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**LCSS**	Batch ID:	**32282**	RunNo:	**43485**					
Prep Date:	**6/14/2017**	Analysis Date:	**6/14/2017**	SeqNo:	**1370345**	Units:	**mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.8	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1706645**

15-Jun-17

Client: Souder, Miller & Associates

Project: Lucid Coyote

Sample ID	**MB-32267**	SampType:	**MBLK**	TestCode:	**EPA Method 418.1: TPH**					
Client ID:	**PBS**	Batch ID:	**32267**	RunNo:	**43516**					
Prep Date:	**6/14/2017**	Analysis Date:	**6/15/2017**	SeqNo:	**1370773**	Units:	**mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	ND	20								

Sample ID	**LCS-32267**	SampType:	**LCS**	TestCode:	**EPA Method 418.1: TPH**					
Client ID:	**LCSS**	Batch ID:	**32267**	RunNo:	**43516**					
Prep Date:	**6/14/2017**	Analysis Date:	**6/15/2017**	SeqNo:	**1370775**	Units:	**mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	110	20	100.0	0	112	61.7	138			

Sample ID	**LCSD-32267**	SampType:	**LCSD**	TestCode:	**EPA Method 418.1: TPH**					
Client ID:	**LCSS02**	Batch ID:	**32267**	RunNo:	**43516**					
Prep Date:	**6/14/2017**	Analysis Date:	**6/15/2017**	SeqNo:	**1370776**	Units:	**mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	120	20	100.0	0	120	61.7	138	6.40	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1706645**

15-Jun-17

Client: Souder, Miller & Associates

Project: Lucid Coyote

Sample ID	**MB-32244**	SampType:	**MBLK**	TestCode:	**EPA Method 8021B: Volatiles**					
Client ID:	**PBS**	Batch ID:	**32244**	RunNo:	**43491**					
Prep Date:	**6/13/2017**	Analysis Date:	**6/14/2017**	SeqNo:	**1370062**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	ND	0.10								
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		108	66.6	132			

Sample ID	**LCS-32244**	SampType:	**LCS**	TestCode:	**EPA Method 8021B: Volatiles**					
Client ID:	**LCSS**	Batch ID:	**32244**	RunNo:	**43491**					
Prep Date:	**6/13/2017**	Analysis Date:	**6/14/2017**	SeqNo:	**1370063**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	0.85	0.10	1.000	0	84.5	66.5	120			
Benzene	1.0	0.025	1.000	0	99.6	80	120			
Toluene	1.0	0.050	1.000	0	99.8	80	120			
Ethylbenzene	0.98	0.050	1.000	0	97.8	80	120			
Xylenes, Total	2.9	0.10	3.000	0	97.2	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		111	66.6	132			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: SMA-CARLSBAD Work Order Number: 1706645 RcptNo: 1

Received By: Richie Eriacho 6/13/2017 9:45:00 AM

Completed By: Ashley Gallegos 6/13/2017 10:37:10 AM

Reviewed By: ENM 06/13/17

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	Courier		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☐	No ☐	No VOA Vials ☑
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	Adjusted? _____
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.3	Good	Yes			

Chain-of-Custody Record

Client: SMA

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other

☐ EDD (Type)

Turn-Around Time:
☐ Standard ☒ Rush

Project Name: Lucid: Coyote

Project #:

Project Manager: Austin Weyant

Sampler: HNP/MES

On Ice: ☒ Yes ☐ No

Sample Temperature: 1.3

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1706645	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Methcd 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F^-, Cl^-, NO_3, NO_2, PO_4, SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Air Bubbles (Y or N)
12/09/17	9:00	Soil	L1 - 0.5	4 oz.		-001	X			X				X				
	9:15		L1 - 1			-002	X			X				X				
	12:00		L2 - 0.5			-003								X				
	12:15		L2 - 1			-004								X				
	12:30		L2 - 2			-005	X			X				X				
	1:15		L3 - 1			-006								X				
	1:00		L3 - 3			-007								X				
	1:20		L3 - 4.5			-008				X				X				
	1:30		L4 - 0.5			-009								X				
	11:00		L4 - 1.5			-010								X				
↓	11:00	↓	L4 - 2.5	↓		-011	X			X				X				
						~~-012~~												

Date	Time	Relinquished by:	Received by:	Date	Time
12/12/17	1400			12/12/17	1400
12/12/17	1900			12/13/17	0945

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

Client: SMA

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☐ Standard ☒ Rush _____

Project Name: Lucid: Coyote

Project #:

Project Manager: Austin Weyant

Sampler:

On Ice: ☒ Yes ☐ No

Sample Temperature: 1.8

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 17066045	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Methcd 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F,Cl,NO3,NO2,PO4,SO4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)					Air Bubbles (Y or N)
6/09/17	2:00	Soil	LS-0.5	4 oz.		-0172								X								
	1:30		LS-2			-0143								X								
	1:45		LS-3.5			-0184	X			X				X								
	11:10		L6-0.5			-0165	X			X				X								
	2:00		SW1			-0176	X			X				X								
	2:30		SW2			-0187	X			X				X								
	2:45		SW3			-0198	X			X				X								
	3:15		SW4			-0209	X			X				X								
	2:45		BG1-1			-0210								X								
	2:50		BG1-2			-0221								X								

Date: 6/12/17 Time: 1400 Relinquished by: [signature] Received by: [signature] Date Time: 6/12/17 1400

Date: 6/12/17 Time: 1900 Relinquished by: [signature] Received by: [signature] Date Time: 6/13/17 0945

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

September 21, 2017

Austin Weyant
Souder, Miller & Associates
201 S Halagueno
Carlsbad, NM 88221
TEL: (575) 689-7040
FAX

RE: Coyote OrderNo.: 1709919

Dear Austin Weyant:

Hall Environmental Analysis Laboratory received 2 sample(s) on 9/15/2017 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1709919**
Date Reported: **9/21/2017**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Client Sample ID: L4-3
Project: Coyote
Collection Date: 9/14/2017 9:05:00 AM
Lab ID: 1709919-001 **Matrix:** SOIL **Received Date:** 9/15/2017 9:30:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	3500	92		mg/Kg	10	9/20/2017 5:37:23 PM	33944
Motor Oil Range Organics (MRO)	2400	460		mg/Kg	10	9/20/2017 5:37:23 PM	33944
Surr: DNOP	0	70-130	S	%Rec	10	9/20/2017 5:37:23 PM	33944
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	6.2	4.8		mg/Kg	1	9/19/2017 2:41:39 PM	33919
Surr: BFB	126	54-150		%Rec	1	9/19/2017 2:41:39 PM	33919

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report
Lab Order **1709919**
Date Reported: **9/21/2017**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Client Sample ID: L5-4
Project: Coyote
Collection Date: 9/14/2017 9:07:00 AM
Lab ID: 1709919-002 **Matrix:** SOIL **Received Date:** 9/15/2017 9:30:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	1100	93		mg/Kg	10	9/20/2017 6:05:59 PM	33944
Motor Oil Range Organics (MRO)	960	470		mg/Kg	10	9/20/2017 6:05:59 PM	33944
Surr: DNOP	0	70-130	S	%Rec	10	9/20/2017 6:05:59 PM	33944
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	9/19/2017 8:09:35 PM	33919
Surr: BFB	98.3	54-150		%Rec	1	9/19/2017 8:09:35 PM	33919

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1709919**

21-Sep-17

Client: Souder, Miller & Associates

Project: Coyote

Sample ID	**MB-33944**	SampType:	**MBLK**	TestCode:	**EPA Method 8015M/D: Diesel Range Organics**					
Client ID:	**PBS**	Batch ID:	**33944**	RunNo:	**45741**					
Prep Date:	**9/19/2017**	Analysis Date:	**9/20/2017**	SeqNo:	**1452485**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		102	70	130			

Sample ID	**LCS-33944**	SampType:	**LCS**	TestCode:	**EPA Method 8015M/D: Diesel Range Organics**					
Client ID:	**LCSS**	Batch ID:	**33944**	RunNo:	**45741**					
Prep Date:	**9/19/2017**	Analysis Date:	**9/20/2017**	SeqNo:	**1453129**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	93.9	73.2	114			
Surr: DNOP	4.8		5.000		95.3	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1709919**

21-Sep-17

Client: Souder, Miller & Associates

Project: Coyote

Sample ID	**MB-33919**	SampType:	**MBLK**	TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**PBS**	Batch ID:	**33919**	RunNo:	**45719**					
Prep Date:	**9/18/2017**	Analysis Date:	**9/19/2017**	SeqNo:	**1452000**	Units:	**mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	990		1000		99.2	54	150			

Sample ID	**LCS-33919**	SampType:	**LCS**	TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**LCSS**	Batch ID:	**33919**	RunNo:	**45719**					
Prep Date:	**9/18/2017**	Analysis Date:	**9/19/2017**	SeqNo:	**1452001**	Units:	**mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	31	5.0	25.00	0	123	76.4	125			
Surr: BFB	1200		1000		121	54	150			

Sample ID	**MB-33922**	SampType:	**MBLK**	TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**PBS**	Batch ID:	**33922**	RunNo:	**45719**					
Prep Date:	**9/18/2017**	Analysis Date:	**9/19/2017**	SeqNo:	**1452007**	Units:	**%Rec**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1000		1000		104	54	150			

Sample ID	**LCS-33922**	SampType:	**LCS**	TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**LCSS**	Batch ID:	**33922**	RunNo:	**45719**					
Prep Date:	**9/18/2017**	Analysis Date:	**9/19/2017**	SeqNo:	**1452008**	Units:	**%Rec**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1200		1000		116	54	150			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: SMA-CARLSBAD Work Order Number: 1709919 RcptNo: 1

Received By: Isaiah Ortiz 9/15/2017 9:30:00 AM

Completed By: Sophia Campuzano 9/18/2017 11:47:11 AM

Reviewed By: IMO 9/18/2017

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	UPS		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☐	No ☐	No VOA Vials ☑
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	# of preserved bottles checked for pH: (<2 or >12 unless noted)
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	Adjusted?
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	Checked by:

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: Date

By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

17. Additional remarks:

18. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.7	Good	Yes			

Chain-of-Custody Record

Client: SMA - Carlsbad

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other

☐ EDD (Type)

Turn-Around Time: 5 day turn
☒ Standard ☐ Rush

Project Name: Coyote

Project #:

Project Manager: Austin Weygant

Sampler: Heather Patterson

On Ice: ☒ Yes ☐ No

Sample Temperature: 1.7

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1709919	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions ($F, Cl, NO_3, NO_2, PO_4, SO_4$)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Air Bubbles (Y or N)
9/14/17	9:05	Soil	L4-@3	4oz		-001			X									
9/14/17	9:07	Soil	L5-4	4oz		-002			X									

Date: 9/14/17 Time: Relinquished by:

Received by: Date: 9/15/17 Time: 0930

Date: Time: Relinquished by:

Received by: Date: Time:

Remarks:

UPS

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

October 17, 2017

Austin Weyant
Souder, Miller & Associates
201 S Halagueno
Carlsbad, NM 88221
TEL: (575) 689-7040
FAX

RE: Coyote OrderNo.: 1710762

Dear Austin Weyant:

Hall Environmental Analysis Laboratory received 1 sample(s) on 10/13/2017 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1710762**
Date Reported: **10/17/2017**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Client Sample ID: L4
Project: Coyote
Collection Date: 10/11/2017 12:08:00 PM
Lab ID: 1710762-001 **Matrix:** SOIL **Received Date:** 10/13/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	16	8.9		mg/Kg	1	10/16/2017 11:45:12 AM	34401
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	10/16/2017 11:45:12 AM	34401
Surr: DNOP	92.6	70-130		%Rec	1	10/16/2017 11:45:12 AM	34401
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/16/2017 9:56:25 AM	34399
Surr: BFB	97.8	54-150		%Rec	1	10/16/2017 9:56:25 AM	34399

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	
	D	Sample Diluted Due to Matrix	E	Value above quantitation range	
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	Page 1 of 3
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range	
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit	
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified	

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1710762**

17-Oct-17

Client: Souder, Miller & Associates

Project: Coyote

Sample ID	**LCS-34401**	SampType:	**LCS**		TestCode:	**EPA Method 8015M/D: Diesel Range Organics**				
Client ID:	**LCSS**	Batch ID:	**34401**		RunNo:	**46361**				
Prep Date:	**10/13/2017**	Analysis Date:	**10/16/2017**		SeqNo:	**1476752**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	92.3	73.2	114			
Surr: DNOP	4.6		5.000		92.8	70	130			

Sample ID	**MB-34401**	SampType:	**MBLK**		TestCode:	**EPA Method 8015M/D: Diesel Range Organics**				
Client ID:	**PBS**	Batch ID:	**34401**		RunNo:	**46361**				
Prep Date:	**10/13/2017**	Analysis Date:	**10/16/2017**		SeqNo:	**1476753**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.9		10.00		89.0	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1710762**

17-Oct-17

Client: Souder, Miller & Associates

Project: Coyote

Sample ID	**MB-34399**	SampType:	**MBLK**	TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**PBS**	Batch ID:	**34399**	RunNo:	**46367**					
Prep Date:	**10/13/2017**	Analysis Date:	**10/16/2017**	SeqNo:	**1477828**	Units:	**mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	970		1000		96.9	54	150			

Sample ID	**LCS-34399**	SampType:	**LCS**	TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**LCSS**	Batch ID:	**34399**	RunNo:	**46367**					
Prep Date:	**10/13/2017**	Analysis Date:	**10/16/2017**	SeqNo:	**1477829**	Units:	**mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	29	5.0	25.00	0	116	75.9	131			
Surr: BFB	1100		1000		108	54	150			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: SMA-CARLSBAD Work Order Number: 1710762 RcptNo: 1

Received By: Richie Eriacho 10/13/2017 9:15:00 AM

Completed By: Ashley Gallegos 10/13/2017 9:32:10 AM

Reviewed By: DDS 10/13/17

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	Courier		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☐	No ☐	No VOA Vials ☑
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.1	Good	Yes			

Chain-of-Custody Record

Client: SMA

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other

☐ EDD (Type)

Turn-Around Time:
☐ Standard ☒ Rush

Project Name: Coyote

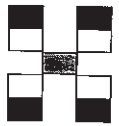
Project #:

Project Manager: Austin Weigant

Sampler: TMF

On Ice: ☒ Yes ☐ No

Sample Temperature: 4.



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)					Air Bubbles (Y or N)
10/11/17	12:08	Soil	L4	4oz		1710702 -001			X													

Remarks:

Date:	Time:	Relinquished by:	Received by:	Date	Time
10/12/17	0900			10/12/17	0900
10/12/17	1900			10/13/17	0915

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

November 08, 2017

Austin Weyant
Souder, Miller & Associates
201 S Halagueno
Carlsbad, NM 88221
TEL: (575) 689-7040
FAX

RE: Coyote OrderNo.: 1711124

Dear Austin Weyant:

Hall Environmental Analysis Laboratory received 2 sample(s) on 11/2/2017 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1711124**
Date Reported: **11/8/2017**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Client Sample ID: L1-2'
Project: Coyote
Collection Date: 10/30/2017 12:03:00 PM
Lab ID: 1711124-001 **Matrix:** SOIL **Received Date:** 11/2/2017 9:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	14	9.4		mg/Kg	1	11/7/2017 5:02:17 PM	34843
Motor Oil Range Organics (MRO)	120	47		mg/Kg	1	11/7/2017 5:02:17 PM	34843
Surr: DNOP	87.4	70-130		%Rec	1	11/7/2017 5:02:17 PM	34843
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	11/6/2017 5:05:48 PM	34792
Surr: BFB	83.4	15-316		%Rec	1	11/6/2017 5:05:48 PM	34792

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	
	D	Sample Diluted Due to Matrix	E	Value above quantitation range	
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range	
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit	
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified	

Analytical Report
Lab Order **1711124**
Date Reported: **11/8/2017**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Client Sample ID: Source 2'
Project: Coyote
Collection Date: 10/30/2017 11:50:00 AM
Lab ID: 1711124-002 **Matrix:** SOIL **Received Date:** 11/2/2017 9:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	480	30		mg/Kg	20	11/8/2017 5:31:42 AM	34875

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1711124**

08-Nov-17

Client: Souder, Miller & Associates

Project: Coyote

Sample ID	**MB-34875**	SampType:	**mblk**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBS**	Batch ID:	**34875**	RunNo:	**46976**					
Prep Date:	**11/7/2017**	Analysis Date:	**11/7/2017**	SeqNo:	**1498823**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	**LCS-34875**	SampType:	**lcs**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**LCSS**	Batch ID:	**34875**	RunNo:	**46976**					
Prep Date:	**11/7/2017**	Analysis Date:	**11/7/2017**	SeqNo:	**1498824**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	99.8	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1711124**

08-Nov-17

Client: Souder, Miller & Associates

Project: Coyote

Sample ID	**LCS-34843**	SampType:	**LCS**		TestCode:	**EPA Method 8015M/D: Diesel Range Organics**				
Client ID:	**LCSS**	Batch ID:	**34843**		RunNo:	**46928**				
Prep Date:	**11/6/2017**	Analysis Date:	**11/7/2017**		SeqNo:	**1497169**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	10	50.00	0	84.4	73.2	114			
Surr: DNOP	4.1		5.000		82.5	70	130			

Sample ID	**MB-34843**	SampType:	**MBLK**		TestCode:	**EPA Method 8015M/D: Diesel Range Organics**				
Client ID:	**PBS**	Batch ID:	**34843**		RunNo:	**46928**				
Prep Date:	**11/6/2017**	Analysis Date:	**11/7/2017**		SeqNo:	**1497170**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.1		10.00		80.8	70	130			

Sample ID	**1711124-001AMS**	SampType:	**MS**		TestCode:	**EPA Method 8015M/D: Diesel Range Organics**				
Client ID:	**L1-2'**	Batch ID:	**34843**		RunNo:	**46928**				
Prep Date:	**11/6/2017**	Analysis Date:	**11/7/2017**		SeqNo:	**1497858**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	9.6	47.76	14.28	74.3	55.8	122			
Surr: DNOP	4.3		4.776		90.7	70	130			

Sample ID	**1711124-001AMSD**	SampType:	**MSD**		TestCode:	**EPA Method 8015M/D: Diesel Range Organics**				
Client ID:	**L1-2'**	Batch ID:	**34843**		RunNo:	**46928**				
Prep Date:	**11/6/2017**	Analysis Date:	**11/7/2017**		SeqNo:	**1497859**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	9.1	45.70	14.28	65.7	55.8	122	11.5	20	
Surr: DNOP	4.1		4.570		90.4	70	130	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1711124**

08-Nov-17

Client: Souder, Miller & Associates

Project: Coyote

Sample ID	**MB-34792**	SampType:	**MBLK**	TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**PBS**	Batch ID:	**34792**	RunNo:	**46898**					
Prep Date:	**11/3/2017**	Analysis Date:	**11/6/2017**	SeqNo:	**1496403**	Units:	**mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	850		1000		84.8	15	316			

Sample ID	**LCS-34792**	SampType:	**LCS**	TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**LCSS**	Batch ID:	**34792**	RunNo:	**46898**					
Prep Date:	**11/3/2017**	Analysis Date:	**11/6/2017**	SeqNo:	**1496404**	Units:	**mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	97.2	75.9	131			
Surr: BFB	940		1000		94.1	15	316			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: SMA-CARLSBAD Work Order Number: 1711124 RcptNo: 1

Received By: Dennis Suazo 11/2/2017 9:10:00 AM
Completed By: Ashley Gallegos 11/2/2017 1:58:22 PM
Reviewed By: ENM 11/2/17

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	Courier		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☐	No ☐	No VOA Vials ☑
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)
Adjusted? _____
Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date _____
By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding: _____
Client Instructions: _____

17. Additional remarks:

18. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	5.0	Good	Yes			

Chain-of-Custody Record

Client: SMA

Mailing Address: 201 S. Halagueno

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other ____

☐ EDD (Type) ____

Turn-Around Time:
☐ Standard ☒ Rush 5 day turn

Project Name: Coyote

Project #:

Project Manager: Austin Weyant

Sampler:
On Ice: ☒ Yes ☐ No
Sample Temperature: 5.5 - 0.5(CF) = 5.0

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1711124	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F, Cl, NO_3, NO_2, PO_4, SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)					Air Bubbles (Y or N)
10/30/17	12:03	soil	L1-2'	4oz.		-001			✓													
10/30/17	11:50	soil	Source 2'	4oz.		-002								✓								

(Cl circled under Anions.)

Date:	Time:	Relinquished by:	Received by:	Date	Time
			[signature]	11/2/17	0910

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

courier

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

November 08, 2017

Austin Weyant
Souder, Miller & Associates
201 S Halagueno
Carlsbad, NM 88221
TEL: (575) 689-7040
FAX

RE: Coyote OrderNo.: 1711125

Dear Austin Weyant:

Hall Environmental Analysis Laboratory received 1 sample(s) on 11/2/2017 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1711125**
Date Reported: **11/8/2017**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Client Sample ID: L1-3'
Project: Coyote
Collection Date: 10/30/2017 12:15:00 PM
Lab ID: 1711125-001 **Matrix:** SOIL **Received Date:** 11/2/2017 9:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	11/7/2017 6:26:08 PM	34843
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	11/7/2017 6:26:08 PM	34843
Surr: DNOP	83.1	70-130		%Rec	1	11/7/2017 6:26:08 PM	34843
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	11/6/2017 5:29:07 PM	34792
Surr: BFB	82.7	15-316		%Rec	1	11/6/2017 5:29:07 PM	34792

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1711125**

08-Nov-17

Client: Souder, Miller & Associates

Project: Coyote

Sample ID	**LCS-34843**	SampType:	**LCS**		TestCode:	**EPA Method 8015M/D: Diesel Range Organics**				
Client ID:	**LCSS**	Batch ID:	**34843**		RunNo:	**46928**				
Prep Date:	**11/6/2017**	Analysis Date:	**11/7/2017**		SeqNo:	**1497169**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	10	50.00	0	84.4	73.2	114			
Surr: DNOP	4.1		5.000		82.5	70	130			

Sample ID	**MB-34843**	SampType:	**MBLK**		TestCode:	**EPA Method 8015M/D: Diesel Range Organics**				
Client ID:	**PBS**	Batch ID:	**34843**		RunNo:	**46928**				
Prep Date:	**11/6/2017**	Analysis Date:	**11/7/2017**		SeqNo:	**1497170**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.1		10.00		80.8	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1711125**

08-Nov-17

Client: Souder, Miller & Associates

Project: Coyote

Sample ID	**MB-34792**	SampType:	**MBLK**	TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**PBS**	Batch ID:	**34792**	RunNo:	**46898**					
Prep Date:	**11/3/2017**	Analysis Date:	**11/6/2017**	SeqNo:	**1496403**	Units:	**mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	850		1000		84.8	15	316			

Sample ID	**LCS-34792**	SampType:	**LCS**	TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**LCSS**	Batch ID:	**34792**	RunNo:	**46898**					
Prep Date:	**11/3/2017**	Analysis Date:	**11/6/2017**	SeqNo:	**1496404**	Units:	**mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	97.2	75.9	131			
Surr: BFB	940		1000		94.1	15	316			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: SMA-CARLSBAD Work Order Number: 1711125 RcptNo: 1

Received By: Dennis Suazo 11/2/2017 9:10:00 AM

Completed By: Ashley Gallegos 11/2/2017 2:01:20 PM

Reviewed By: ENM 11/2/17

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	Courier		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☐	No ☐	No VOA Vials ☑
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	5.0	Good	Yes			

Chain-of-Custody Record

Client: SMA

Mailing Address: 201 S. Halagueno

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☐ Standard ☒ Rush 5 day turn

Project Name: Coyote

Project #:

Project Manager: Austin Weyant

Sampler: MRS

On Ice: ☑ Yes ☐ No

Sample Temperature: 5.5 - 0.5(CF) = 5.0

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1711125	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)					Air Bubbles (Y or N)
10/30/17	12:15	soil	L1-3'	4oz.		-001			✓													

Date:	Time:	Relinquished by:	Received by:	Date	Time
			Dennis Gruys	11/2/17	0910
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Bratcher, Mike, EMNRD

From: Bratcher, Mike, EMNRD
Sent: Wednesday, October 18, 2017 8:02 AM
To: Heather Patterson; Weaver, Crystal, EMNRD
Cc: Kerry Egan; Austin Weyant; agroves (agroves@slo.state.nm.us)
Subject: RE: Backfill request

RE: Lucid Energy * Coyote Station * 2RP-1825 & 4224

Heather,

Your request to backfill the areas identified as L4 & L5 at the above referenced site is approved.

Thank you,

Mike Bratcher
NMOCD District 2
811 South First Street
Artesia, NM 88210
575-748-1283 Ext 108

From: Heather Patterson [mailto:heather.patterson@soudermiller.com]
Sent: Tuesday, October 17, 2017 2:59 PM
To: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Weaver, Crystal, EMNRD <Crystal.Weaver@state.nm.us>
Cc: Kerry Egan <KEgan@lucid-energy.com>; Austin Weyant <austin.weyant@soudermiller.com>
Subject: Backfill request

RE: Lucid Energy * Coyote Station * 2RP-1825 * 2RP-4224

Good Afternoon,

On behalf of Lucid Energy, I would like to request backfill at the Coyote Station. This request is for the area between the pipelines and includes sample locations L4 and L5. Attached you'll find the site map and the lab results.

Thank you,

Heather Patterson
Staff Scientist
Souder, Miller & Associates
Engineering ♦ Environmental ♦ Surveying
201 Halagueno St
Carlsbad, NM 88220
www.soudermiller.com

(575)200-5343 (mobile)

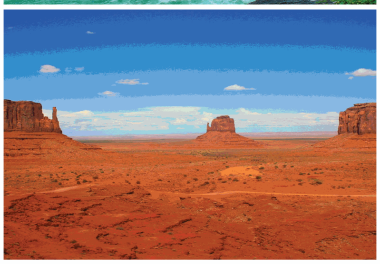
TETRA TECH

Appendix E

Laboratory Reports

Report to:

Brittany Long



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

NELAP ACCREDITED TNI LABORATORY

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Targa

Project Name:	Coyote Compressor Station
Work Order:	E309019
Job Number:	21102-0001
Received:	9/5/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/11/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/11/23

Brittany Long
12600 WCR 91
Midland, TX 79707

Project Name: Coyote Compressor Station
Workorder: E309019
Date Received: 9/5/2023 8:15:00AM

Brittany Long,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/5/2023 8:15:00AM, under the Project Name: Coyote Compressor Station.

The analytical test results summarized in this report with the Project Name: Coyote Compressor Station apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Targa	Project Name:	Coyote Compressor Station	**Reported:**
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brittany Long	09/11/23 16:51

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
AH-2 (2-2.5')	E309019-01A	Soil	08/30/23	09/05/23	Glass Jar, 4 oz.

Sample Data

Targa	Project Name:	Coyote Compressor Station	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brittany Long	9/11/2023 4:51:07PM

AH-2 (2-2.5')

E309019-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2336016
Benzene	ND	0.0250	1	09/05/23	09/07/23	
Ethylbenzene	ND	0.0250	1	09/05/23	09/07/23	
Toluene	ND	0.0250	1	09/05/23	09/07/23	
o-Xylene	ND	0.0250	1	09/05/23	09/07/23	
p,m-Xylene	ND	0.0500	1	09/05/23	09/07/23	
Total Xylenes	ND	0.0250	1	09/05/23	09/07/23	
Surrogate: Bromofluorobenzene		*98.3 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: Toluene-d8		*95.5 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336016
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/23	09/07/23	
Surrogate: Bromofluorobenzene		*98.3 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*09/05/23*	*09/07/23*	
Surrogate: Toluene-d8		*95.5 %*	*70-130*	*09/05/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2336060
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/23	09/09/23	
Oil Range Organics (C28-C36)	**73.3**	50.0	1	09/07/23	09/09/23	
Surrogate: n-Nonane		*101 %*	*50-200*	*09/07/23*	*09/09/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336055
Chloride	ND	200	10	09/06/23	09/08/23	

QC Summary Data

Targa	Project Name:	Coyote Compressor Station	**Reported:**
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brittany Long	9/11/2023 4:51:07PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2336016-BLK1)									Prepared: 09/05/23 Analyzed: 09/06/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.502*		*0.500*		*100*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.486*		*0.500*		*97.1*	*70-130*			
Surrogate: Toluene-d8	*0.488*		*0.500*		*97.5*	*70-130*			
LCS (2336016-BS1)									Prepared: 09/05/23 Analyzed: 09/06/23
Benzene	2.46	0.0250	2.50		98.4	70-130			
Ethylbenzene	2.36	0.0250	2.50		94.6	70-130			
Toluene	2.30	0.0250	2.50		92.0	70-130			
o-Xylene	2.30	0.0250	2.50		92.1	70-130			
p,m-Xylene	4.54	0.0500	5.00		90.8	70-130			
Total Xylenes	6.84	0.0250	7.50		91.2	70-130			
Surrogate: Bromofluorobenzene	*0.494*		*0.500*		*98.8*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.486*		*0.500*		*97.2*	*70-130*			
Surrogate: Toluene-d8	*0.488*		*0.500*		*97.5*	*70-130*			
Matrix Spike (2336016-MS1)				**Source: E308250-25**					Prepared: 09/05/23 Analyzed: 09/06/23
Benzene	2.79	0.0250	2.50	ND	112	48-131			
Ethylbenzene	2.64	0.0250	2.50	ND	106	45-135			
Toluene	2.56	0.0250	2.50	ND	102	48-130			
o-Xylene	2.62	0.0250	2.50	ND	105	43-135			
p,m-Xylene	5.14	0.0500	5.00	ND	103	43-135			
Total Xylenes	7.76	0.0250	7.50	ND	103	43-135			
Surrogate: Bromofluorobenzene	*0.497*		*0.500*		*99.4*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.507*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.479*		*0.500*		*95.7*	*70-130*			
Matrix Spike Dup (2336016-MSD1)				**Source: E308250-25**					Prepared: 09/05/23 Analyzed: 09/06/23
Benzene	2.53	0.0250	2.50	ND	101	48-131	9.95	23	
Ethylbenzene	2.41	0.0250	2.50	ND	96.4	45-135	9.07	27	
Toluene	2.36	0.0250	2.50	ND	94.4	48-130	8.07	24	
o-Xylene	2.36	0.0250	2.50	ND	94.2	43-135	10.4	27	
p,m-Xylene	4.64	0.0500	5.00	ND	92.8	43-135	10.3	27	
Total Xylenes	6.99	0.0250	7.50	ND	93.3	43-135	10.3	27	
Surrogate: Bromofluorobenzene	*0.501*		*0.500*		*100*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.514*		*0.500*		*103*	*70-130*			
Surrogate: Toluene-d8	*0.484*		*0.500*		*96.8*	*70-130*			

QC Summary Data

Targa	Project Name:	Coyote Compressor Station	**Reported:**
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brittany Long	9/11/2023 4:51:07PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2336016-BLK1)									Prepared: 09/05/23 Analyzed: 09/06/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.502*		*0.500*		*100*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.486*		*0.500*		*97.1*	*70-130*			
Surrogate: Toluene-d8	*0.488*		*0.500*		*97.5*	*70-130*			
LCS (2336016-BS2)									Prepared: 09/05/23 Analyzed: 09/06/23
Gasoline Range Organics (C6-C10)	45.5	20.0	50.0		90.9	70-130			
Surrogate: Bromofluorobenzene	*0.510*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.488*		*0.500*		*97.6*	*70-130*			
Surrogate: Toluene-d8	*0.494*		*0.500*		*98.8*	*70-130*			
Matrix Spike (2336016-MS2)				**Source: E308250-25**					Prepared: 09/05/23 Analyzed: 09/06/23
Gasoline Range Organics (C6-C10)	54.8	20.0	50.0	ND	110	70-130			
Surrogate: Bromofluorobenzene	*0.513*		*0.500*		*103*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.501*		*0.500*		*100*	*70-130*			
Surrogate: Toluene-d8	*0.490*		*0.500*		*98.0*	*70-130*			
Matrix Spike Dup (2336016-MSD2)				**Source: E308250-25**					Prepared: 09/05/23 Analyzed: 09/06/23
Gasoline Range Organics (C6-C10)	54.4	20.0	50.0	ND	109	70-130	0.713	20	
Surrogate: Bromofluorobenzene	*0.511*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.493*		*0.500*		*98.5*	*70-130*			
Surrogate: Toluene-d8	*0.483*		*0.500*		*96.6*	*70-130*			

QC Summary Data

Targa	Project Name:	Coyote Compressor Station	**Reported:**
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brittany Long	9/11/2023 4:51:07PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2336060-BLK1)									Prepared: 09/06/23 Analyzed: 09/09/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*50.8*		*50.0*		*102*	*50-200*			
LCS (2336060-BS1)									Prepared: 09/06/23 Analyzed: 09/09/23
Diesel Range Organics (C10-C28)	258	25.0	250		103	38-132			
Surrogate: n-Nonane	*46.1*		*50.0*		*92.3*	*50-200*			
Matrix Spike (2336060-MS1)				**Source: E309015-01**					Prepared: 09/06/23 Analyzed: 09/11/23
Diesel Range Organics (C10-C28)	18200	1250	250	19500	NR	38-132			M4
Surrogate: n-Nonane	*46.7*		*50.0*		*93.3*	*50-200*			
Matrix Spike Dup (2336060-MSD1)				**Source: E309015-01**					Prepared: 09/06/23 Analyzed: 09/11/23
Diesel Range Organics (C10-C28)	18400	1250	250	19500	NR	38-132	1.36	20	M4
Surrogate: n-Nonane	*46.4*		*50.0*		*92.7*	*50-200*			

QC Summary Data

Targa	Project Name:	Coyote Compressor Station	**Reported:**
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brittany Long	9/11/2023 4:51:07PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2336055-BLK1)									Prepared: 09/06/23 Analyzed: 09/08/23
Chloride	ND	20.0							
LCS (2336055-BS1)									Prepared: 09/06/23 Analyzed: 09/08/23
Chloride	242	20.0	250		96.9	90-110			
Matrix Spike (2336055-MS1)				**Source: E309018-01**					Prepared: 09/06/23 Analyzed: 09/08/23
Chloride	329	200	250	ND	132	80-120			M2
Matrix Spike Dup (2336055-MSD1)				**Source: E309018-01**					Prepared: 09/06/23 Analyzed: 09/08/23
Chloride	247	200	250	ND	98.9	80-120	28.5	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Targa	Project Name:	Coyote Compressor Station	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brittany Long	09/11/23 16:51

M2	Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901 W Wall Street, Ste 100
Midland,Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

WO# E309019

JOB# 21102-0001

Client Name: Targa

Site Manager: Brittany Long

Project Name: Coyote Compressor Station

(432) 741-5813
brittany.long@tetratech.com

Project Location: (county, state) Eddy County, NM

Project #: 212C-MD-03217

Invoice to: Targa

Receiving Laboratory: Envirotech Inc.

Sampler Signature: Miguel A. Flores

Comments:

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	MATRIX	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD	PRESERVATIVE METHOD	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance				Hold
1	AH-2 (2-2.5')	8/30/2023			x				x					x		x												x							

Relinquished by: Miguel A Flores Date: Time:

Received by: Michelle Gonzales 9-1-23 0730

Relinquished by: Michelle Gonzales 9-1-23 1645

Received by: Andrew Moso 9.1.23 1845

Relinquished by: Andrew Moso 9.2.23 0115

Received by: Caitlin Mason 9/5/23 8:15

LAB USE ONLY

Sample Temperature 4

REMARKS: Standard

☐ RUSH: Same Day 24 hr 48 hr 72 hr

☐ Rush Charges Authorized

☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

ORIGINAL COPY

Envirotech Analytical Laboratory

Printed: 9/5/2023 12:29:35PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Targa	Date Received:	09/05/23 08:15	Work Order ID:	E309019
Phone:	(432) 999-8675	Date Logged In:	09/05/23 09:37	Logged In By:	Caitlin Mars
Email:	brittany.long@tetratech.com	Due Date:	09/11/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	No	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	No	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: na

Comments/Resolution

Time sampled not provided on COC per client.

Client Instruction

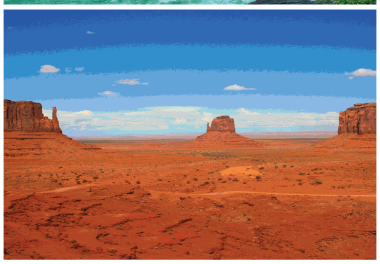
Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Brittany Long



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

NELAP ACCREDITED TNI LABORATORY

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Targa

Project Name:	Coyote Compressor Station
Work Order:	E309020
Job Number:	21102-0001
Received:	9/5/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/11/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/11/23

Brittany Long
12600 WCR 91
Midland, TX 79707

Project Name: Coyote Compressor Station
Workorder: E309020
Date Received: 9/5/2023 8:15:00AM

Brittany Long,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/5/2023 8:15:00AM, under the Project Name: Coyote Compressor Station.

The analytical test results summarized in this report with the Project Name: Coyote Compressor Station apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Targa	Project Name:	Coyote Compressor Station	**Reported:**
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brittany Long	09/11/23 10:47

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
AH-1 (0-1')	E309020-01A	Soil	08/30/23	09/05/23	Glass Jar, 4 oz.
AH-1 (1-1.5')	E309020-02A	Soil	08/30/23	09/05/23	Glass Jar, 4 oz.
AH-2 (0-1')	E309020-03A	Soil	08/30/23	09/05/23	Glass Jar, 4 oz.
AH-2 (1-1.5')	E309020-04A	Soil	08/30/23	09/05/23	Glass Jar, 4 oz.

Sample Data

Targa	Project Name:	Coyote Compressor Station	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brittany Long	9/11/2023 10:47:01AM

AH-1 (0-1')

E309020-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2336040
Benzene	ND	0.0250	1	09/06/23	09/07/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/07/23	
Toluene	ND	0.0250	1	09/06/23	09/07/23	
o-Xylene	ND	0.0250	1	09/06/23	09/07/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/07/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/07/23	
Surrogate: 4-Bromochlorobenzene-PID		*92.6 %*	*70-130*	*09/06/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336040
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/07/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.0 %*	*70-130*	*09/06/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2336059
Diesel Range Organics (C10-C28)	**149**	25.0	1	09/06/23	09/08/23	T17
Oil Range Organics (C28-C36)	**445**	50.0	1	09/06/23	09/08/23	T17
Surrogate: n-Nonane		*101 %*	*50-200*	*09/06/23*	*09/08/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336055
Chloride	ND	20.0	1	09/06/23	09/08/23	

Sample Data

Targa	Project Name:	Coyote Compressor Station	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brittany Long	9/11/2023 10:47:01AM

AH-1 (1-1.5')

E309020-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2336040
Benzene	ND	0.0250	1	09/06/23	09/08/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/08/23	
Toluene	ND	0.0250	1	09/06/23	09/08/23	
o-Xylene	ND	0.0250	1	09/06/23	09/08/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/08/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/08/23	
Surrogate: 4-Bromochlorobenzene-PID		*95.4 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336040
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/08/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.8 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2336059
Diesel Range Organics (C10-C28)	**89.9**	25.0	1	09/06/23	09/08/23	T17
Oil Range Organics (C28-C36)	**151**	50.0	1	09/06/23	09/08/23	T17
Surrogate: n-Nonane		*101 %*	*50-200*	*09/06/23*	*09/08/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336055
Chloride	ND	200	10	09/06/23	09/08/23	

Sample Data

Targa	Project Name:	Coyote Compressor Station	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brittany Long	9/11/2023 10:47:01AM

AH-2 (0-1')

E309020-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2336040
Benzene	ND	0.0250	1	09/06/23	09/08/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/08/23	
Toluene	ND	0.0250	1	09/06/23	09/08/23	
o-Xylene	ND	0.0250	1	09/06/23	09/08/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/08/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/08/23	
Surrogate: 4-Bromochlorobenzene-PID		*94.4 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336040
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/08/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.3 %*	*70-130*	*09/06/23*	*09/08/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2336059
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/23	09/08/23	
Oil Range Organics (C28-C36)	**73.1**	50.0	1	09/06/23	09/08/23	
Surrogate: n-Nonane		*104 %*	*50-200*	*09/06/23*	*09/08/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336055
Chloride	**291**	200	10	09/06/23	09/10/23	

Sample Data

Targa	Project Name:	Coyote Compressor Station	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brittany Long	9/11/2023 10:47:01AM

AH-2 (1-1.5')

E309020-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2336040
Benzene	ND	0.0250	1	09/06/23	09/07/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/07/23	
Toluene	ND	0.0250	1	09/06/23	09/07/23	
o-Xylene	ND	0.0250	1	09/06/23	09/07/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/07/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/07/23	
Surrogate: 4-Bromochlorobenzene-PID		*95.7 %*	*70-130*	*09/06/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2336040
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/07/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.3 %*	*70-130*	*09/06/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2336059
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/23	09/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/23	09/08/23	
Surrogate: n-Nonane		*104 %*	*50-200*	*09/06/23*	*09/08/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336055
Chloride	**207**	200	10	09/06/23	09/10/23	

QC Summary Data

Targa	Project Name:	Coyote Compressor Station	**Reported:**
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brittany Long	9/11/2023 10:47:01AM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2336040-BLK1)									Prepared: 09/06/23 Analyzed: 09/07/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.59*		*8.00*		*94.9*	*70-130*			
LCS (2336040-BS1)									Prepared: 09/06/23 Analyzed: 09/07/23
Benzene	4.28	0.0250	5.00		85.6	70-130			
Ethylbenzene	4.28	0.0250	5.00		85.6	70-130			
Toluene	4.41	0.0250	5.00		88.2	70-130			
o-Xylene	4.31	0.0250	5.00		86.2	70-130			
p,m-Xylene	8.74	0.0500	10.0		87.4	70-130			
Total Xylenes	13.0	0.0250	15.0		87.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.35*		*8.00*		*91.9*	*70-130*			
Matrix Spike (2336040-MS1)				**Source: E309014-01**					Prepared: 09/06/23 Analyzed: 09/07/23
Benzene	4.63	0.0250	5.00	ND	92.6	54-133			
Ethylbenzene	4.63	0.0250	5.00	ND	92.6	61-133			
Toluene	4.66	0.0250	5.00	ND	93.1	61-130			
o-Xylene	4.63	0.0250	5.00	ND	92.5	63-131			
p,m-Xylene	9.44	0.0500	10.0	ND	94.4	63-131			
Total Xylenes	14.1	0.0250	15.0	ND	93.8	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.50*		*8.00*		*93.7*	*70-130*			
Matrix Spike Dup (2336040-MSD1)				**Source: E309014-01**					Prepared: 09/06/23 Analyzed: 09/07/23
Benzene	4.47	0.0250	5.00	ND	89.3	54-133	3.59	20	
Ethylbenzene	4.50	0.0250	5.00	ND	89.9	61-133	3.00	20	
Toluene	4.51	0.0250	5.00	ND	90.2	61-130	3.20	20	
o-Xylene	4.49	0.0250	5.00	ND	89.9	63-131	2.92	20	
p,m-Xylene	9.15	0.0500	10.0	ND	91.5	63-131	3.10	20	
Total Xylenes	13.6	0.0250	15.0	ND	90.9	63-131	3.04	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.50*		*8.00*		*93.7*	*70-130*			

QC Summary Data

Targa	Project Name:	Coyote Compressor Station	**Reported:**
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brittany Long	9/11/2023 10:47:01AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2336040-BLK1)									Prepared: 09/06/23 Analyzed: 09/07/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.29*		*8.00*		*91.2*	*70-130*			
LCS (2336040-BS2)									Prepared: 09/06/23 Analyzed: 09/07/23
Gasoline Range Organics (C6-C10)	43.4	20.0	50.0		86.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.55*		*8.00*		*94.3*	*70-130*			
Matrix Spike (2336040-MS2)				**Source: E309014-01**					Prepared: 09/06/23 Analyzed: 09/07/23
Gasoline Range Organics (C6-C10)	47.4	20.0	50.0	ND	94.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.49*		*8.00*		*93.6*	*70-130*			
Matrix Spike Dup (2336040-MSD2)				**Source: E309014-01**					Prepared: 09/06/23 Analyzed: 09/07/23
Gasoline Range Organics (C6-C10)	49.9	20.0	50.0	ND	99.9	70-130	5.27	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.53*		*8.00*		*94.2*	*70-130*			

QC Summary Data

Targa	Project Name:	Coyote Compressor Station	**Reported:**
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brittany Long	9/11/2023 10:47:01AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2336059-BLK1)									Prepared: 09/06/23 Analyzed: 09/07/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*51.6*		*50.0*		*103*	*50-200*			
LCS (2336059-BS1)									Prepared: 09/06/23 Analyzed: 09/07/23
Diesel Range Organics (C10-C28)	260	25.0	250		104	38-132			
Surrogate: n-Nonane	*50.3*		*50.0*		*101*	*50-200*			
Matrix Spike (2336059-MS1)				**Source: E308244-03**					Prepared: 09/06/23 Analyzed: 09/07/23
Diesel Range Organics (C10-C28)	263	25.0	250	ND	105	38-132			
Surrogate: n-Nonane	*51.6*		*50.0*		*103*	*50-200*			
Matrix Spike Dup (2336059-MSD1)				**Source: E308244-03**					Prepared: 09/06/23 Analyzed: 09/07/23
Diesel Range Organics (C10-C28)	260	25.0	250	ND	104	38-132	0.915	20	
Surrogate: n-Nonane	*52.5*		*50.0*		*105*	*50-200*			

QC Summary Data

Targa	Project Name:	Coyote Compressor Station	**Reported:**
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brittany Long	9/11/2023 10:47:01AM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2336055-BLK1)									Prepared: 09/06/23 Analyzed: 09/08/23
Chloride	ND	20.0							
LCS (2336055-BS1)									Prepared: 09/06/23 Analyzed: 09/08/23
Chloride	242	20.0	250		96.9	90-110			
Matrix Spike (2336055-MS1)				**Source: E309018-01**					Prepared: 09/06/23 Analyzed: 09/08/23
Chloride	329	200	250	ND	132	80-120			M2
Matrix Spike Dup (2336055-MSD1)				**Source: E309018-01**					Prepared: 09/06/23 Analyzed: 09/08/23
Chloride	247	200	250	ND	98.9	80-120	28.5	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Targa	Project Name:	Coyote Compressor Station	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brittany Long	09/11/23 10:47

M2	Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
T17	The sample chromatographic pattern does not resemble the typical fuel standard used for quantitation.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901 W Wall Street, Ste 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

WO# E309020
Job# 21102-0001

Client Name:	Targa	Site Manager:	Brittany Long
Project Name:	Coyote Compressor Station		(432) 741-5813 brittany.long@tetratech.com
Project Location: (county, state)	Eddy County, NM	Project #:	212C-MD-03217
Invoice to:	Targa		
Receiving Laboratory:	Envirotech Inc.	Sampler Signature:	Miguel A. Flores

Comments:

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2023 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	MATRIX	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD	PRESERVATIVE METHOD	# CONTAINERS	FILTERED (Y/N)
1	AH-1 (0-1')	8/30/2023			x				x				
2	AH-1 (1-1.5')	8/30/2023			x				x				
3	AH-2 (0-1')	8/30/2023			x				x				
4	AH-2 (1-1.5')	8/30/2023			x				x				

ANALYSIS REQUEST (Circle or Specify Method No.)

BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance				Hold
x		x												x							
x		x												x							
x		x												x							
x		x												x							

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Miguel A Flores			Michelle Gamyle	9-1-23	0730
Michelle Gamyle	9-1-23	1645	Andrew Muse	9-1-23	1845
Andrew Muse	9-2-23	0115	Cathe Mac	9/5/23	8:15

LAB USE ONLY
Sample Temperature
4

REMARKS: Standard

☐ RUSH: Same Day 24 hr 48 hr 72 hr
☐ Rush Charges Authorized
☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

ORIGINAL COPY

Envirotech Analytical Laboratory

Printed: 9/5/2023 12:32:56PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Targa	Date Received:	09/05/23 08:15	Work Order ID:	E309020
Phone:	(432) 999-8675	Date Logged In:	09/05/23 09:38	Logged In By:	Caitlin Mars
Email:	brittany.long@tetratech.com	Due Date:	09/11/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	No	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	No	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: na

Comments/Resolution

Time sampled not provided on COC per client.

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Brittany Long

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

NELAP ACCREDITED TNI LABORATORY

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Targa

Project Name:	Coyote Compressor Station
Work Order:	E309021
Job Number:	21102-0001
Received:	9/5/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/11/23

Date Reported: 9/11/23

Brittany Long
12600 WCR 91
Midland, TX 79707

Project Name: Coyote Compressor Station
Workorder: E309021
Date Received: 9/5/2023 8:15:00AM

Brittany Long,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/5/2023 8:15:00AM, under the Project Name: Coyote Compressor Station.

The analytical test results summarized in this report with the Project Name: Coyote Compressor Station apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Targa	Project Name:	Coyote Compressor Station	**Reported:**
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brittany Long	09/11/23 10:48

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
AH-1 (2-2.5')	E309021-01A	Soil	08/30/23	09/05/23	Glass Jar, 4 oz.
AH-1 (3-3.5')	E309021-02A	Soil	08/30/23	09/05/23	Glass Jar, 4 oz.

Sample Data

Targa	Project Name:	Coyote Compressor Station	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brittany Long	9/11/2023 10:48:48AM

AH-1 (2-2.5')

E309021-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2336027
Benzene	ND	0.0250	1	09/06/23	09/07/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/07/23	
Toluene	ND	0.0250	1	09/06/23	09/07/23	
o-Xylene	ND	0.0250	1	09/06/23	09/07/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/07/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/07/23	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*09/06/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.7 %*	*70-130*	*09/06/23*	*09/07/23*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*09/06/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2336027
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/07/23	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*09/06/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.7 %*	*70-130*	*09/06/23*	*09/07/23*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*09/06/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2336059
Diesel Range Organics (C10-C28)	**200**	25.0	1	09/06/23	09/08/23	T17
Oil Range Organics (C28-C36)	**315**	50.0	1	09/06/23	09/08/23	T17
Surrogate: n-Nonane		*102 %*	*50-200*	*09/06/23*	*09/08/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336055
Chloride	ND	200	10	09/06/23	09/10/23	

Sample Data

Targa	Project Name:	Coyote Compressor Station	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brittany Long	9/11/2023 10:48:48AM

AH-1 (3-3.5')

E309021-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2336027
Benzene	ND	0.0250	1	09/06/23	09/07/23	
Ethylbenzene	ND	0.0250	1	09/06/23	09/07/23	
Toluene	ND	0.0250	1	09/06/23	09/07/23	
o-Xylene	ND	0.0250	1	09/06/23	09/07/23	
p,m-Xylene	ND	0.0500	1	09/06/23	09/07/23	
Total Xylenes	ND	0.0250	1	09/06/23	09/07/23	
Surrogate: Bromofluorobenzene		*107 %*	*70-130*	*09/06/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*90.4 %*	*70-130*	*09/06/23*	*09/07/23*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*09/06/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2336027
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/23	09/07/23	
Surrogate: Bromofluorobenzene		*107 %*	*70-130*	*09/06/23*	*09/07/23*	
Surrogate: 1,2-Dichloroethane-d4		*90.4 %*	*70-130*	*09/06/23*	*09/07/23*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*09/06/23*	*09/07/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2336059
Diesel Range Organics (C10-C28)	**70.1**	25.0	1	09/06/23	09/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/23	09/08/23	
Surrogate: n-Nonane		*129 %*	*50-200*	*09/06/23*	*09/08/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2336055
Chloride	ND	200	10	09/06/23	09/10/23	

QC Summary Data

Targa	Project Name:	Coyote Compressor Station	**Reported:**
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brittany Long	9/11/2023 10:48:48AM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2336027-BLK1)									Prepared: 09/06/23 Analyzed: 09/06/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.532*		*0.500*		*106*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.480*		*0.500*		*95.9*	*70-130*			
Surrogate: Toluene-d8	*0.521*		*0.500*		*104*	*70-130*			
LCS (2336027-BS1)									Prepared: 09/06/23 Analyzed: 09/06/23
Benzene	2.83	0.0250	2.50		113	70-130			
Ethylbenzene	2.77	0.0250	2.50		111	70-130			
Toluene	2.85	0.0250	2.50		114	70-130			
o-Xylene	2.83	0.0250	2.50		113	70-130			
p,m-Xylene	5.60	0.0500	5.00		112	70-130			
Total Xylenes	8.43	0.0250	7.50		112	70-130			
Surrogate: Bromofluorobenzene	*0.519*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.474*		*0.500*		*94.7*	*70-130*			
Surrogate: Toluene-d8	*0.535*		*0.500*		*107*	*70-130*			
Matrix Spike (2336027-MS1)				**Source: E309029-21**					Prepared: 09/06/23 Analyzed: 09/06/23
Benzene	2.71	0.0250	2.50	ND	108	48-131			
Ethylbenzene	2.73	0.0250	2.50	ND	109	45-135			
Toluene	2.78	0.0250	2.50	ND	111	48-130			
o-Xylene	2.91	0.0250	2.50	ND	116	43-135			
p,m-Xylene	5.77	0.0500	5.00	ND	115	43-135			
Total Xylenes	8.68	0.0250	7.50	ND	116	43-135			
Surrogate: Bromofluorobenzene	*0.531*		*0.500*		*106*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.480*		*0.500*		*96.0*	*70-130*			
Surrogate: Toluene-d8	*0.534*		*0.500*		*107*	*70-130*			
Matrix Spike Dup (2336027-MSD1)				**Source: E309029-21**					Prepared: 09/06/23 Analyzed: 09/06/23
Benzene	2.75	0.0250	2.50	ND	110	48-131	1.78	23	
Ethylbenzene	2.79	0.0250	2.50	ND	112	45-135	1.94	27	
Toluene	2.82	0.0250	2.50	ND	113	48-130	1.48	24	
o-Xylene	2.93	0.0250	2.50	ND	117	43-135	0.753	27	
p,m-Xylene	5.77	0.0500	5.00	ND	115	43-135	0.0173	27	
Total Xylenes	8.71	0.0250	7.50	ND	116	43-135	0.265	27	
Surrogate: Bromofluorobenzene	*0.532*		*0.500*		*106*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.453*		*0.500*		*90.6*	*70-130*			
Surrogate: Toluene-d8	*0.531*		*0.500*		*106*	*70-130*			

QC Summary Data

Targa	Project Name:	Coyote Compressor Station	**Reported:**
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brittany Long	9/11/2023 10:48:48AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2336027-BLK1)									Prepared: 09/06/23 Analyzed: 09/06/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.532*		*0.500*		*106*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.480*		*0.500*		*95.9*	*70-130*			
Surrogate: Toluene-d8	*0.521*		*0.500*		*104*	*70-130*			
LCS (2336027-BS2)									Prepared: 09/06/23 Analyzed: 09/06/23
Gasoline Range Organics (C6-C10)	58.7	20.0	50.0		117	70-130			
Surrogate: Bromofluorobenzene	*0.536*		*0.500*		*107*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.476*		*0.500*		*95.1*	*70-130*			
Surrogate: Toluene-d8	*0.527*		*0.500*		*105*	*70-130*			
Matrix Spike (2336027-MS2)				**Source: E309029-21**					Prepared: 09/06/23 Analyzed: 09/06/23
Gasoline Range Organics (C6-C10)	51.6	20.0	50.0	ND	103	70-130			
Surrogate: Bromofluorobenzene	*0.532*		*0.500*		*106*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.472*		*0.500*		*94.4*	*70-130*			
Surrogate: Toluene-d8	*0.536*		*0.500*		*107*	*70-130*			
Matrix Spike Dup (2336027-MSD2)				**Source: E309029-21**					Prepared: 09/06/23 Analyzed: 09/06/23
Gasoline Range Organics (C6-C10)	59.6	20.0	50.0	ND	119	70-130	14.4	20	
Surrogate: Bromofluorobenzene	*0.534*		*0.500*		*107*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.481*		*0.500*		*96.1*	*70-130*			
Surrogate: Toluene-d8	*0.545*		*0.500*		*109*	*70-130*			

QC Summary Data

Targa	Project Name:	Coyote Compressor Station	**Reported:**
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brittany Long	9/11/2023 10:48:48AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2336059-BLK1)									Prepared: 09/06/23 Analyzed: 09/07/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*51.6*		*50.0*		*103*	*50-200*			
LCS (2336059-BS1)									Prepared: 09/06/23 Analyzed: 09/07/23
Diesel Range Organics (C10-C28)	260	25.0	250		104	38-132			
Surrogate: n-Nonane	*50.3*		*50.0*		*101*	*50-200*			
Matrix Spike (2336059-MS1)				**Source: E308244-03**					Prepared: 09/06/23 Analyzed: 09/07/23
Diesel Range Organics (C10-C28)	263	25.0	250	ND	105	38-132			
Surrogate: n-Nonane	*51.6*		*50.0*		*103*	*50-200*			
Matrix Spike Dup (2336059-MSD1)				**Source: E308244-03**					Prepared: 09/06/23 Analyzed: 09/07/23
Diesel Range Organics (C10-C28)	260	25.0	250	ND	104	38-132	0.915	20	
Surrogate: n-Nonane	*52.5*		*50.0*		*105*	*50-200*			

QC Summary Data

Targa	Project Name:	Coyote Compressor Station	**Reported:**
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brittany Long	9/11/2023 10:48:48AM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2336055-BLK1)									Prepared: 09/06/23 Analyzed: 09/08/23
Chloride	ND	20.0							
LCS (2336055-BS1)									Prepared: 09/06/23 Analyzed: 09/08/23
Chloride	242	20.0	250		96.9	90-110			
Matrix Spike (2336055-MS1)				**Source: E309018-01**					Prepared: 09/06/23 Analyzed: 09/08/23
Chloride	329	200	250	ND	132	80-120			M2
Matrix Spike Dup (2336055-MSD1)				**Source: E309018-01**					Prepared: 09/06/23 Analyzed: 09/08/23
Chloride	247	200	250	ND	98.9	80-120	28.5	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Targa	Project Name:	Coyote Compressor Station	
12600 WCR 91	Project Number:	21102-0001	**Reported:**
Midland TX, 79707	Project Manager:	Brittany Long	09/11/23 10:48

M2	Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
T17	The sample chromatographic pattern does not resemble the typical fuel standard used for quantitation.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901 W Wall Street, Ste 100
Midland,Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

WO# E309021

Job# 21102-0001

Client Name:	Targa	Site Manager:	Brittany Long
Project Name:	Coyote Compressor Station		(432) 741-5813 brittany.long@tetratech.com
Project Location: (county, state)	Eddy County, NM	Project #:	212C-MD-03217
Invoice to:	Targa		
Receiving Laboratory:	Envirotech Inc.	Sampler Signature:	Miguel A. Flores

Comments:

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	MATRIX:	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD:	PRESERVATIVE METHOD:	# CONTAINERS	FILTERED (Y/N)
1	AH-1 (2-2.5')	8/30/2023			X				X				
2	AH-1 (3-3.5')	8/30/2023			X				X				

ANALYSIS REQUEST (Circle or Specify Method No.)

	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance				Hold
1	X		X												X							
2	X		X												X							

Relinquished by:	Miguel A Flores	Date:	Time:
Received by:	Michelle Gonzales	9-1-23	0730
Relinquished by:	Michelle Gonzales	9-1-23	1645
Received by:	Andrew Nesso	9.1.23	1845
Relinquished by:	Andrew Nesso	9.2.23	0115
Received by:	Cristina Mora	9/5/23	8:15

LAB USE ONLY

Sample Temperature: 4

REMARKS: Standard

- ☐ RUSH: Same Day 24 hr 48 hr 72 hr
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

ORIGINAL COPY

Envirotech Analytical Laboratory

Printed: 9/5/2023 12:36:44PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Targa	Date Received:	09/05/23 08:15	Work Order ID:	E309021
Phone:	(432) 999-8675	Date Logged In:	09/05/23 09:40	Logged In By:	Caitlin Mars
Email:	brittany.long@tetratech.com	Due Date:	09/11/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	No	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	No	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: na

Comments/Resolution

Time sampled not provided on COC per client.

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 277777

CONDITIONS

Operator:	OGRID:
Targa Northern Delaware, LLC. 110 W. 7th Street, Suite 2300 Tulsa, OK 74119	331548
	Action Number: 277777
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
bhall	Closure approved under the closure standards approved in the workplan and approved deferral.	10/31/2023
bhall	The report included an initial C-141 that refers to 2RP-1825. This RP# is associated with incident #NJMW1322640868, if this report is intended to close 2RP-1825/NJMW1322640868 it will need to be submitted through the OCD Permitting website under that incident number.	10/31/2023